



Digitized by the Internet Archive
in 2014

<https://archive.org/details/b19974760M3702>

The



CHEMIST AND DRUGGIST

RETAILER - WHOLESALER - MANUFACTURER

JANUARY 17, 1948

**Good Health &
Prosperity in
1948 . . .**

Always insist
on
**Vintage
Products**



BURGOYNE BURBIDGES

Established 1741. & COMPANY LIMITED. LONDON. E.6



a new Parke-Davis product

•TAKA-BEXIN• CAPSULES

This combination of the important members of the vitamin B complex with vitamin C and the powerful starch-converting ferment, Taka-Diastase, is of value for middle-aged and elderly people who often need assistance in digesting starchy food and whose intake of vitamins is low. In convalescence also, when digestion and appetite are impaired and vitamin deficiency is present, 'Taka-Bexin' will prove useful.

Six 'Taka-Bexin' Capsules contain sufficient Taka-Diastase to liquefy the amount of starch in approximately $1\frac{1}{4}$ lb. of potatoes or $\frac{1}{2}$ lb. of bread.

IN BOTTLES
OF 50 CAPSULES

List Price 11/3 each
M. R. P.
(including Pur. Tax)
13/9 each

F O R M U L A

Each capsule contains :-

Taka-Diastase	•	•	•	•	•	•	1 gr
Vitamin B ₁ (Aneurine Hydrochloride)	•	•	•	•	•	•	1 mgm
Vitamin B ₂ (Riboflavin)	•	•	•	•	•	•	1 mgm
Vitamin B ₆ (Pyridoxine Hydrochloride)	•	•	•	•	•	•	0.5 mgm
Pantothenic Acid (as the Calcium Salt)	•	•	•	•	•	•	0.15 mgm
Nicotinamide	•	•	•	•	•	•	6 mgm
Vitamin C (Ascorbic Acid)	•	•	•	•	•	•	15 mgm

P A R K E , D A V I S & C O M P A N Y

50, BEAK STREET, LONDON, W.1

LABORATORIES: HOUNSLOW, MIDDLESEX.

INC. U.S.A. LIABILITY, LTD.



A clean and germ-free feeding bottle
should be the aim of every mother.
You can help them to achieve
this by telling them about the
MILTON baby's bottle routine !
It is simple and safe to carry out.
No boiling water is needed.

GROWING CHILDREN

CHILBLAINS

CIRCULATORY DISORDERS

PREGNANCY

CALCIUM DEFICIENCY

LACTATION

CALOGEN

Regd.

Brand

T A B L E T S
*containing Calcium,
 Phosphorus and Vitamin D*

Bottle of 60 Tablets
Retail 3/8d. incl. tax. Trade 2/- tax extra
10% discount on £5 parcels.

A 'GENATOSAN' PRODUCT
GENATOSAN LTD., LOUGHBOROUGH, LEICS.
Telephone: Loughborough 2292





TELEPHONE
YOUR
ORDERS

BELFAST
BIRMINGHAM, 18
BRISTOL
GLASGOW, C.I

LEEDS, 1
LEICESTER
LIVERPOOL, 19
LONDON, E.C.1
MANCHESTER, 15
NEWCASTLE, 1
SHEFFIELD, 3
SWANSEA

23, Oxford Street
23a, Kenyon Street
202, Cheltenham Road
The New Apothecaries Co. Ltd.,
59, Glassford Street

15a, Somers Street
41, Albion Street
Speke
50, Bartholomew Close
325, City Road
18, Oxford Street
Wicker Arches, Walker Street
Beattie Street, Cwmbwria

Belfast 26308
Central 3422 & 3423
Bristol 43305
Bell 2414 (3 lines)

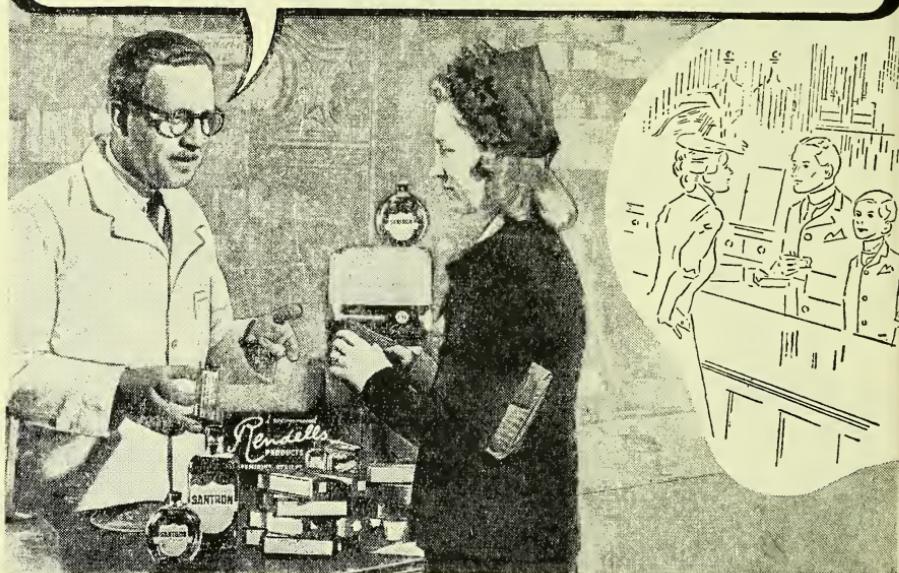
Leeds 20374
Leicester 65029
Hunts Cross 1881 (13 lines)
Monarch 4022 (8 lines)
Central 4032 & 7150
Newcastle 21452
Sheffield 21105 & 21106
Fforestfach 58834

132-14/G7

EVANS MEDICAL SUPPLIES LTD • LIVERPOOL AND LONDON

Overseas Companies and Branches: Australia, Brazil, China, Eire, India, Malaya, Palestine, South Africa

It's a tradition with us



"Yes, Mrs. Dale, we have been established a very long time and ever since I can remember from my apprenticeship days here, we have always recommended Rendells. No, the transparent wrapping is not new. It was always a feature of Rendells packing before the war, and is just another indication the product is back to normal."

**ON BOTH SIDES OF
THE COUNTER**



THERE'S CONFIDENCE IN

Rendells

NOW WRAPPED IN CELLULOSE FILM AGAIN

W. J. RENDELL LTD.

161 ROSEBURY AVENUE, LONDON.

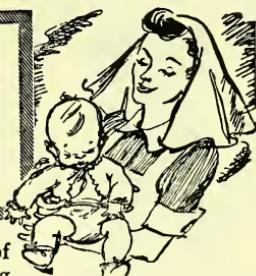
E. C. I

INDEX TO ADVERTISERS

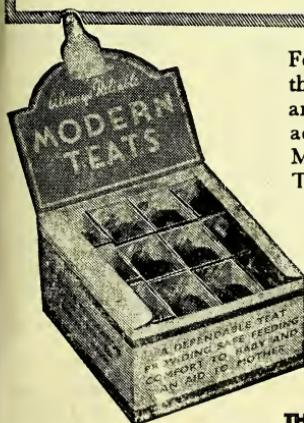
Affined Basic Chemicals, Ltd.	xxi
Allen, J. & Co.	xxiv
Anglo-French Drug Co., Ltd.	Leader Page
Armour & Co., Ltd.	10
Asmidar, Ltd.	xix
Baldwin Chemical Industries, Ltd.	22
Bell, John, Hills & Lucas, Ltd.	Leader Page
Brand & Co., Ltd.	xx
British Dyewood Co., Ltd.	iv
British Thomson-Houston Co., Ltd.	xii
Brook, Parker & Co., Ltd.	14
Burgoyne Burbidges & Co., Ltd.	Front Cover
Burrough, James, Ltd.	Leader Page
Burroughs Wellcome & Co.	25
Calfos, Ltd.	xix
Cal-ma-vite Laboratories, Ltd.	xviii
Cannon Rubber Manufacturers, Ltd.	5
Carnegie Chemicals (Welwyn), Ltd.	Cover iv
Carus, A., & Sons, Ltd.	xi
Caton & Sons	Leader Page
Chemical & Natural Products, Ltd.	xv
Comtesse Laboratories, Ltd.	24
Confederation of Health Service Employees	Leader Page
Continental Laboratories, Ltd.	14
Cox, Arthur H., & Co., Ltd.	8
Crosskill, C. R., & Sons	xiii
Dangoor, N. S., Ltd.	21
Daniel, Richard, & Son, Ltd.	13
Davies, W. James (Western), Ltd.	xxvii
Dettol Ointment	xxvii
Dobson & Steiner, Ltd.	24
Domestos, Ltd.	xvi
Ellis, J. E., Ltd.	20
Emmett Distributing Co., Ltd.	xxi
Evans Medical Supplies, Ltd.	3
Fassett & Johnson, Ltd.	xii
Fecher, M. J., Ltd.	6
Ferryman, Herbert, Ltd.	xxi
Frederer Brothers Paper Mills, Ltd.	xiv
Freeman, J., & Co., Ltd.	19
Freudentheil, Smith & Co.	Leader Page
Gardner, W., & Sons, (Glos.), Ltd.	iv
Genatosan, Ltd.	2
Glass Container Co.	vi
Gnome Photo. Prods., Ltd.	xiv
Gould, N. & M. Ltd.	Leader Page
Graesser, R., Ltd.	vi
Grant Laboratories, Ltd.	xxiii
Hamburger, M., & Sons	vi
Hampshire, F. W. & Co., Ltd.	11
Harwoods Laboratories, Ltd.	xxvi
Hatchwell Co., Ltd.	xvi
Henderson Bros. & Co., Ltd.	xxiv
Hewlett, C. J. & Son, Ltd.	20
Hirst, Stuart, Ltd.	Leader Page
Howards & Sons, Ltd.	i
International Chemical Co., Ltd.	15
Imperial Chemical (Pharmaceuticals), Ltd.	18

(continued overleaf)

The SALES APPEAL is in the DESIGN



Following widespread acceptance of the new anti-colic design by Nursing and Medical Authorities, extensive advertising support in the National Press and Women's Magazines is rapidly stimulating demand for the "Modern" Teat. Available in attractive counter display outers of three dozen, through wholesalers only. Fixed retail selling price 6d.



The "MODERN"
ANTI-COLIC **TEAT**

THE CANNON RUBBER MANUFACTURERS LTD. LONDON N 17

INDEX—(cont.)

Jeffreys, Miller & Co., Ltd.	22	Rankin Bros. & Sons	Leader Page
Johnson & Johnson (G.B.), Ltd.	xx	Rendell, W. J., Ltd.	4
Jones, W. H. & Co. (London), Ltd.	22	Rentex, Ltd.	xviii
Keeling & Walker, Ltd.	ii	Riley, J., & Sons, Ltd.	iv
Kellys, J., (London), Ltd.	v	St. Andrew Mills	23
Knox, John (Stoke-on-Trent), Ltd.	xxii	Samuelson, P., & Co.	ii
Koko Maricopas Co., Ltd.	24	Sandoz Products, Ltd.	9
Koray, Ltd.	12	Scott, A. & R., Ltd.	xxv
Laporte, B., Ltd.	ii	Scott & Turner, Ltd.	10
Lathfome	22	Septisol, Ltd.	xxiv
Lawrence, Geo. H., Ltd.	xi	Seven O'clock Razor Blades	viii
Leigh & Sons Metal Works	vii	Shadeine Co.	24
Lennon, Ltd.	v	Singer, Ernest M.	vi
Lofthouse & Saltmer, Ltd.	20	Stanning Proprietaries, Ltd.	20
Madelox, Ltd.	22	Sutton, W., & Co., Ltd.	8
Matthews & Wilson, Ltd.	14	Swan Mill Co., Ltd.	xvii
Midgley & Parkinson, Ltd.	22	Tell Products, Ltd.	xx
Milton Antiseptic, Ltd.	1	Tintex Dyes	xvi
Mitchell, L. A., Ltd.	vi	Town Talk Polish Co.	xiv
Neill, James, & Co. (Sheffield), Ltd.	xiv	Tye, John, & Son, Ltd.	x
North British Rubber Co., Ltd.	vii	Veno Drug Co., Ltd.	7
Olley, C., & Sons, Ltd.	vii	Verva, Ltd.	xxii
Ormerod Engineers, Ltd.	vii	Vines Biocrin, Ltd.	xxii
Paragon Razor Co., Ltd.	xiii	Wafer Razor, The Co., Ltd.	xvii
Parke, Davis & Co.	Cover ii	Waide, Thos., & Sons, Ltd.	13
Parkinson, A. R.	ii	Walker Photographic (Supa), Ltd.	xvi
Pharmaceutical Laboratories, Geigy, Ltd.	v	Wander, A., Ltd.	ix
Pharmacax, Ltd.	xix	Warrick Bros., Ltd.	26
Pinaud, Ltd.	16	Whiffen & Sons, Ltd.	Cover iii
Potter & Clarke, Ltd.	17	Wilson & Mansfield, Ltd.	iv
Potters (London), Ltd.	xiii	Zimmerman, C., & Co., Ltd.	iii

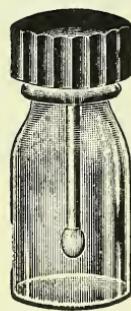
FROM STOCK

Fig. 726A

**NAIL VARNISH
or
CORN SOLVENT
BOTTLES**

2 dram SIZE

Round White Flint with
Screw Plastic Cap

With Caps only 2/9 doz.

Fitted dip rods 3/6 "

" brushes 5/- "

"ONE DROP" VIALS

*Ideal for Perfume,
OIL SAMPLES, etc.*

Complete with compo. top
and dip rod.

½	1	2	4	dram
25/6	26/-	27/-	34/-	gross

Minimum quantity
supplied One gross

SPECIAL TERMS FOR EXPORT

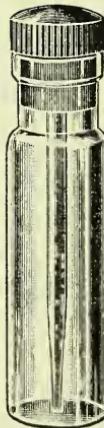


FIG. 716



Fig. 800A

"OILTITE" DROP BOTTLE

2 dram Size
WHITE FLINT BOTTLE

5/6 Dozen

M. J. FECHER LTD., 121 HIGH STREET, SLOUGH, BUCKS

Phone SLOUGH 21864

Established Household Remedies!

These Veno products by their unvarying quality, reliability and effectiveness have withstood the searching test of many years' home use. Convincing voluminous nationwide press, poster and other forms of advertising brings and keeps the Veno products before the eyes of the public. Frequent stock-turn is assured. Attractive showcards for all lines now available.

TERMS : Combined orders amounting to £3 and upwards from qualified Chemists will be subject to 10% for display co-operation in addition to our usual 2½% discount for monthly account.



VENO DRUG CO. LTD.
CHESTER RD., MANCHESTER 16

Phensic

Cassell's

Veno's

Germolene

Germoloids

EXPERIENCE

PHARMACISTS THE WORLD OVER RELY UPON
THE VOLUME OF EXPERIENCE THAT STANDS
BEHIND THE 'COX' ORGANISATION

FINEST MATERIALS · MODERN PRODUCTION METHODS
SPECIALISED SKILL · RIGID LABORATORY CONTROL
combined to produce

PILLS and TABLETS TO PERFECTION

ARTHUR H. COX & CO. LTD., BRIGHTON, 7

Manufacturing Chemists since 1839

Suttexa PRODUCTS



1/7½d.	Suttexa Premature Feeding Bottles	12/9	doz.	C.
1/10d.	Standard	14/9	"	C.
7½d.	Hydrogen Peroxide 10 vol.	4/10	"	C.
10½d.	"	10 vol.	6/9	"
9d.	"	20 vol.	5/6	"
1/0½d.	"	20 vol.	8/3	"
1/-	Lysol	7/9	"	C.
1/6d.	"	11/6	"	C.
1/4½d.	Zinc and Castor Oil Cream	9/-	"	A.
1/4½d.	Compound Syrup of Figs	9/-	"	A.

Sanitary Towels and Malt & Oil are available in limited quantities.

CHEMISTS ONLY SUPPLIED

W. SUTTON & CO. DRUGGISTS SUNDRIES LONDON LTD

Established 1660

Horseshoe Lane, Enfield, Middlesex

Telephone : Enfield 4747 (10 lines) Telegrams : Vinaigrette, Enfield

"A" represents 33½% Purchase Tax.

"C" goods not subject to tax.

DISPLAY TERMS. Terms operating as from January 1st, 1948 are as follows:—

£5 Assorted Goods less 5%
£10 " " " 10%

FULL
33½% PROFIT

IMPORTANT

As from January 1st 1948

Sandoz Pharmaceutical Preparations
will be distributed by

SANDOZ PRODUCTS LIMITED

Pharmaceutical Department

134 WIGMORE STREET

L O N D O N - - W . 1

Phone:
Welbeck 8796

Telegrams:
Felamine, Wesdo, London

While the existing arrangements for supply through wholesalers are not affected in any way, we request our customers who wish to order direct, or require technical information, to address their correspondence as above



URGENT

Empty ANDREWS cases *please*

For some time past we have experienced considerable difficulty in despatching supplies of Andrews because of the acute shortage of cases.

The position is NOW SERIOUS

and unless customers holding Andrews empty cases return them immediately a hold-up in deliveries will result. Your co-operation is requested. Postage or carriage will be credited.

HOW TO SEND

Fold cases flat, flaps inside, tie up. Ready addressed gummed labels obtainable from our travellers, or direct from us. Up to 15 lbs., by post (*state cost on label*). Over 15 lbs., by rail, c/fwd (*or state cost on label*).

ANDREWS

SCOTT & TURNER, LTD.
Andrews House, Newcastle-on-Tyne, 2
T.I.I.



EXTRACT HEPATIS LIQ. B.P.

PACKED IN

1 lb. bottles

Imperial Quarts

Winchester Quarts

Gallons

AMPLE SUPPLIES AVAILABLE

PRICES ON APPLICATION

THE
Armour Laboratories
ARMOUR AND COMPANY LTD.

27-28 FINSBURY SQUARE, LONDON, E.C.2

'Phone:
Monarch 8044

'Grams:
"Armosata-Phone," London

ZUBES COUGH MIXTURE

*Follow this tried
and tested formula
for quick profits*



A Household Name — a quick, pleasant, effective throat and chest easer — at a price within everybody's reach — sales supported by powerful advertising throughout the autumn and winter; that's the "formula" that makes Zubes Cough Mixture such a big profit-winner for the chemist, especially in the winter months. Why not make sure that your stocks of Zubes Cough Mixture will meet the increased winter demand?

ZUBES
COUGH MIXTURE

Retailing at 1/6 and 2/9½

MADE BY F. W. HAMPSHIRE & CO. LTD.,
MANUFACTURING CHEMISTS, SUNNYDALE, DERBY.

'JUST WHAT THE DOCTOR ORDERED
**FOR BIG
& STEADY
Sales**



Day by day, more and more people are finding quick relief from pain with KORAY tablets. The demand is being still further increased by powerful national advertising. Easy to handle and easy to sell, KORAY products are ideal counter lines, giving you a guaranteed standard of quality, assured and steady sales and a good margin of profit.

Profit from the demand for KORAY by stocking up—now.

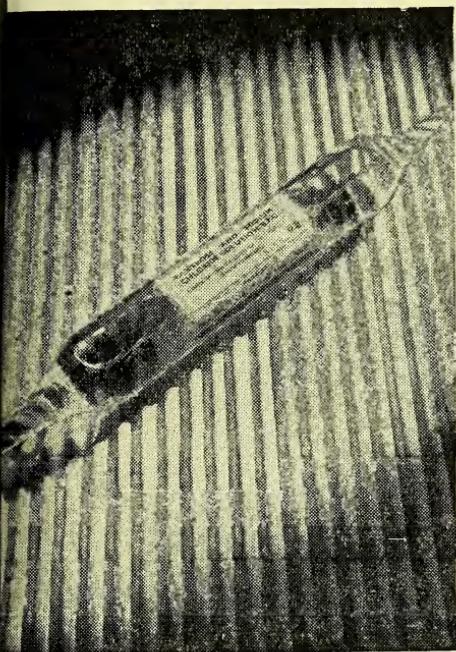
4^d

8^d

1/7

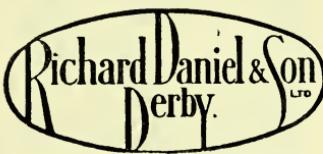
3/2

THE HOUSE OF KORAY, 25 HANOVER SQUARE, LONDON, W.



Emergency demands Reliability . . .

When emergency calls for intravenous therapy, purity and reliability of medicament are of paramount importance. Our long experience in hypodermic pharmaceuticals enables us to offer products of constant dependability.



MANUFACTURING CHEMISTS
ESTABLISHED 1860 • DERBY 4266-8



Are you a Realist?

Hat designers may be given to fantasies but our concern is a realistic approach to the practical art of good printing. And we've learnt a lot about it in our 70 years of printing service to all branches of industry. Why not benefit by our wide knowledge

THOMAS WAIDE & SONS LTD
KIRKSTALL HILL, LEEDS, 5
*Print Specialists for over
70 years*

of your needs. When you plan your next brochures, showcards, cartons, labels, etc., let us advise you. We'll be happy to assist you in every way.

ENTROSALYL**Capsules**

A new presentation of sodium salicylate in capsule form which obviates all the disadvantages associated with the administration of sodium salicylate in its usual form.

●
Each capsule contains 0.50 gm. sodium salicylate and may be taken with complete freedom from nausea or gastric irritation.

P.A.T.A. retail prices

50's	-	-	-	4/10 $\frac{1}{2}$
200's	-	-	-	17/7 $\frac{1}{2}$
1,000's	-	-	-	68/2 $\frac{1}{2}$

CONTINENTAL LABORATORIES LTD.
101 Great Russell Street, London, W.C.I.

for

TABLETS & PILLS
CAPSULES, LOZENGES
& SUPPOSITORIES

EXPORT
ENQUIRIES
INVITED

consult

MATTHEWS
&
WILSON
EST. 1894

6-8 COLE STREET
LONDON, S.E.1



A most effective external application for the relief of Rheumatic and Neuralgic Pains, Lumbago, Sciatica, Stiffness, Neuralgia, etc.

Manufactured in England by
BROOK, PARKER & CO. LTD.,
BRADFORD.

52% Honey and Sugar!
100% Efficient!
35½% Profit!

WITH CO-OPERATION ALLOWANCE)

Consistent national advertising has made 'Pineate' a household word.

Wise mothers know that children love this delicious *honey* cough syrup and that it definitely eases coughing. They also know that a dose of 'Pineate' at bedtime will relieve all ordinary coughs—even the most persistent—and will greatly assist in promoting sound, peaceful sleep.

Look at your stock of 'PINEATE' and see how you stand. See that you have a full supply for the heavy demand that will come with the cold weather; a demand which will be fully supported by national advertising. Take advantage of our generous Co-operation Allowances 2½% on all orders of £10 and over; 10% on all orders of £5 and over. Any of the many I.C.C. lines may be included.



TOCK
 ND
 ISPLAY

Pineate
REGD

ade Terms: £3/9
 per doz.
 r. Tax 4/7 per
 z. Retails at 1/11
 cluding tax)

HONEY Cough-Syrup

INTERNATIONAL CHEMICAL CO. LTD., CHENIES STREET, LONDON, W.C.1

whispered in Paris...

whispered...

AT THE FOLIES BERGERE

"If you study her closely, ma chère, you will see that all her charm is in her eyes . . . And her eyes — what would they be but for that clever mascara she uses! It comes from Pinaud . . . Mascara "612" it is called . . . I use it myself." And in London as in Paris, women who realise the value of lovelier eyes wisely include mascara by Pinaud in their make-up.

★ CREAMY Mascara "612", in a charmingly designed pack, is created by PINAUD to the original Paris formula.

PINAUD

TRADE MARK

whispered in Punch

PINAUD '612' Creamy Mascara, complete in attractive box with brush.

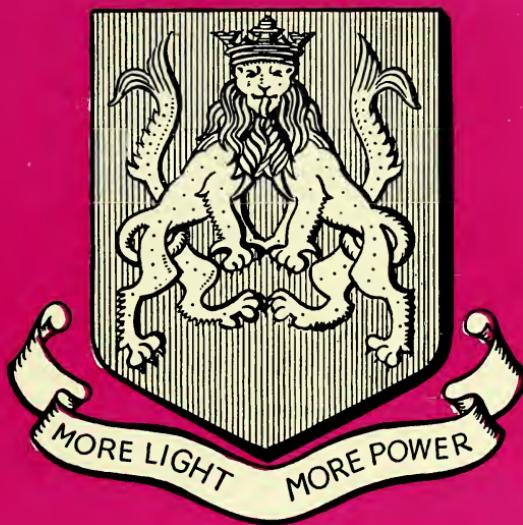
PINAUD '612' Face Powder in the latest fashionable shades.

All made to the original Paris formulae.



Reproduced above is one of the advertisements in the series appearing regularly in 'Punch,' and issued by PINAUD Ltd., Atkins Road, London, S.W.12. (Members of P.A.T.A. and H.T.A.)

LONDON'S COATS OF ARMS

*Shoreditch*

The Borough Council adopted its own device consisting of the arms of John de Northampton, namely two golden Lions with one head, on a red ground.

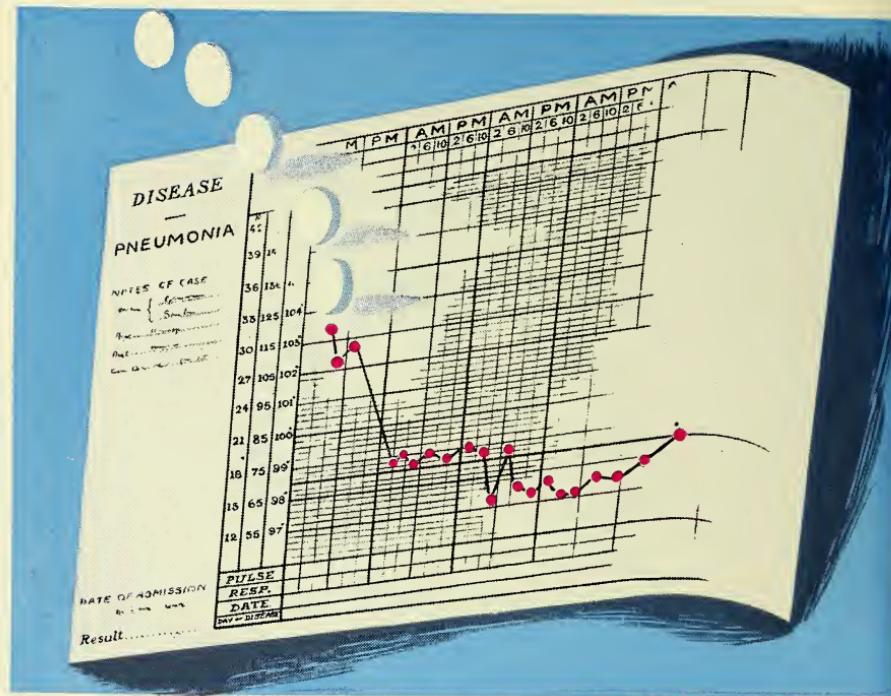
John de Northampton was Lord Mayor of London in 1381-82 but died after being imprisoned in Tintagel Castle in 1397.

One of the Borough's chief claims to fame was its possession of the Britannia Theatre, which achieved great popularity during the life of Mrs. Sarah Lane, when it was visited by Charles Dickens and Henry J. Byron. In fact, it is suggested that the Borough has been the cradle of the English theatre and to have had the honour of giving Shakespeare his first stepping-stone to the London stage.

The motto is "More light, more power."

DRUG MERCHANTS AND MANUFACTURING CHEMISTS
POTTER & CLARKE LTD
 London & Manchester.





‘SULPHAMEZATHINE’
SULPHADIMETHYLPYRIMIDINE B.P.C.

'Sulphamezathine' is a potent sulpha drug which has proved to be highly effective in the control of bacterial infections. Numerous papers have been published dealing with its special features and clinical applications and it is acknowledged by many authorities to have outstanding advantages over other sulphonamide compounds.

It has proved especially useful in the treatment of pneumonia, meningitis, haemolytic streptococcal infections, ophthalmia neonatorum, acute cystitis, pyelitis and other urinary infections. Good results have also been achieved by the use of 'Sulphamezathine' powder with penicillin as a local application to wounds and during operations for reducing post-operative infection.

application to wounds and during operations for reducing post-operative infection. Characteristic of 'Sulphamezathine' is its low toxicity. It is well tolerated and its administration rarely produces unpleasant symptoms or renal complications.

‘SULPHAMEZATHINE’ PREPARATIONS

'Sulphamezathine' Powder

Containers of 25, 100 and 500 grammes.

· Sulphamezathine' Tablets (each 0.5 grammie)

Containers of 25, 100 and 500

**‘Sulphamezathine’ Oral Suspension
(1 grammie in 2 fluid drachnis)**

Bottles of 100 c.c.

• Sulphamezathine • Lozenges

(0.25 grammes)

Containers of 25, 100, 500.

‘Sulphamezathine’ Sodium

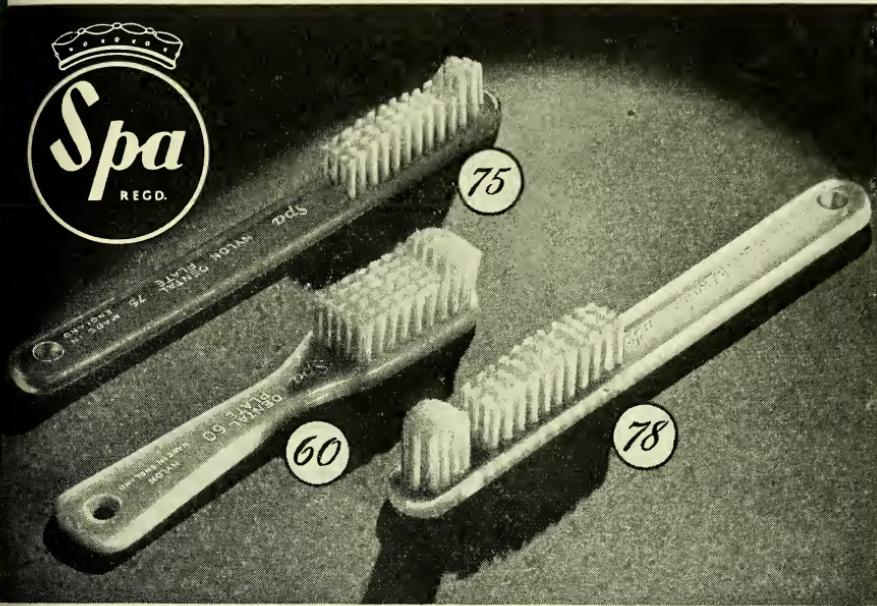
Ampoules of 1 gramme in 3 c.c.

ampoules of 3 grammes in
Bacillus *faecalis* 25 and 95



Penicillin with Sterilised 'Sulphamezathine' Powder
Containers of 25 grammes.

IMPERIAL CHEMICAL [PHARMACEUTICALS] LTD
THE RIDGE, BEECHEFIELD ROAD, ALDERLEY EDGE, MANCHESTER



Spa Dental Plate Brushes

Specially designed for their particular job.
Handles are correctly shaped. Bristles are
of the right hardness, length and spacing.

Also

TOOTHBRUSHES

..

HAIRBRUSHES

..

NAILBRUSHES

No. 60 *Beaver-tail handle in attractive
pastel colours. Filled with strong
angle-set Nylon.*

No. 75 *Straight handle, assorted colours.
Filled strong Nylon with end tuft.*

No. 78 *Straight handle, assorted colours.
Large head with spaced tuft in
strong Nylon.*

All the above at 15/- per doz. To Retail
at 2/6 each, inclusive of Purchase Tax.

*Spa Toilet Brushes are made by
JOHN FREEMAN & CO. LTD.
Spa Works - Chesham - Bucks - England*



HEWVITE

BRAND

Polyvitamin Capsules

Milk Chocolate coloured gelatin capsules containing balanced amounts of six vitamins known to be essential to normal health. The formula of "Hewvite" has been built up with particular attention to three vitamins of the B complex and each capsule contains Vitamin B₁ (Aneurin Hydrochloride) 150 I.U., Vitamin B₂ (Riboflavin) 0.4 mgm. Nicotinamide 5 mgm., Vitamin C 300 I.U., Vitamin A 1,000 I.U., Vitamin D 450 I.U.

Indicated in Pregnancy and Lactation, Anorexia, Neuritis, Special Dieting, etc.

Packed in bottles of 14, 50, 250 and 1,000
33½% Discount to Pharmacists

C. J. HEWLETT & SON, LTD.
Manufacturing Chemists

35-43 CHARLOTTE ROAD, LONDON, E.C.2
Also at 48 CARSTAIRS STREET, GLASGOW, S.E.

For packed
Tablets

**Lofthouse &
Saltmer LTD**
HULL

For bulk
Tablets



Here is the larger of the two packs of Daisy Tablets which may become more popular than the neat and trim 3½d. size. You will like the new 1/3 pack. A really good formula (A.P.C. with Piperine—perhaps the best of all A.P.C. combinations), a first-rate pack—a popular price and generous profit. **UNIVERSALLY ADVERTISED**

Limited supplies of this handsome display carton are still available and will appeal to the Chemist who seeks to establish the 1/3 Price Standard.

Order from your Wholesaler: 1 Display carton (1 dozen), 1/3, Daisy Tablets at 9/6, plus Tax. (P.A.T.A.)
J. E. ELLIS LTD., HORSFORTH, LEEDS



—keep the STANNING
PRICE LIST handy!

**STANNING
PROPRIETARIES LIMITED**

32, ST. JAMES'S STREET, LONDON, S.W.1.

*Phone: ABBey 3629. *Grams: "Stanlast, Piccy, London"

Gum Tragacanth



N. S. DANGOOR LTD.
Suppliers to the Industry

PROVINCIAL HOUSE, 98-106 CANNON STREET, LONDON. E.C.4.

TAKES THE PLACE OF SOAP

A Scientific Achievement

LATHFOME feels and acts like soap... it lathers and cleanses. Suitable for all household and toilet uses. Cannot harm delicate skin or precious fabric. **This IS the answer to the soap shortage.**

Packed in attractive containers.
8 oz. Retail 1/-.



All enquiries to :
Sole Distributors: Tintex
Dyes Ltd., Tintex House,
245 Oxford Street, London,
W.I.

Lathfome
Licence No 1487 S.R. & O. 1943/638/C.P.
A MORAY PRODUCT

GROUND
DRIED YEAST
MIDGLEY & PARKINSON, LTD.
WARREN WORKS, PUDSEY, LEEDS

This great FREE HAIR STYLE OFFER will increase sales!

An individual West End hair style suggestion, fit to all users of Missie Shampoo, will meet with tremendous response. It will build goodwill and stimulate sales. Give full prominence to Missie Shampoo in your window and counter display a make sure of your share in this profitable business.

Your customers will receive their free photographic hair style suggestion—simply by posting a full-faced photograph with name and address on the back, plus an empty Missie packet, to :—

Missie

S H A M P O O

Baldwin Chemical Industries Limited, Waltham Cross, Herts.

W. H. JONES & CO. (London) Ltd.

BUYERS, CONFIRMERS & SHIPPERS
BARNET, HERTS, ENG.

OFFERS INVITED FROM MANUFACTURERS
ORDERS INVITED FROM OVERSEA IMPORTERS

MILLAMALT

Sole Manufacturers
JEFFREYS, MILLER & CO. Ltd. Leyland Mills, WIGAN. London Dept.: 19 Brookside Rd., N.

The VITAMIN MALT FOOD

With Vitamins (A. 6,500 I.U., D. 400 I.U.)
per fl. oz.



*We are still making
the BEST of it . . .*

PAPER can be made from almost any grade of "scrap"—but as our policy has always been to make only the best grades, lack of suitable raw materials still seriously limits our output.

We would like to thank our trade friends for their understanding during this difficult time, and we aim to continue our service both as to quality of product and competitive price.

Because of fluctuating raw material costs, we shall omit prices from our labels after present printings are exhausted. To assist the trade, complete price lists of our range are available showing purchase tax and profit margins.

And for future reference . . . when materials are more plentiful we hope to offer to the trade several new attractive developments in the field of toilet tissues, facial tissues, paper handkerchiefs, etc.

These are the products of St. Andrew Mills

RETAIL PRICE
(*incl. Pur. Tax*)

ANDREX	The softest Toilet Tissue known made entirely from purest pulp.	1/2½	per roll
ANDROL	For those who prefer a glazed paper.	1/3	"
STANEX		1/1	"
MARVO		10½d.	"
SAMARITAN	Absorbent unglazed paper, not harsh or bulky crepe.	9d.	"
ANDREX PAPER KITCHEN TOWELS	Indispensable to the housewife, specially treated paper retains strength when wet.	2/6	"

Prices are subject to alteration without notice.

Wholesale only

ST. ANDREW MILLS LIMITED

LARKSWOOD · 1014 · 5 · 6

WALTHAMSTOW · E · 17

A battery of hair beauty



Behind them is the nation-wide reputation and glamour of the Steiner salon—ensuring immediate sale and appreciably adding to the reputation of the retailer who sells them. Every one of them offers good profit margins and all-the-year-round turnover.

Retail Prices including purchase tax:
 'S3 5/3 and 9/9 Brilliantine 6/-
 Sebosyn 11/- Blue Essence 5/6



Write for trade terms to:

DOBSON & STEINER LIMITED
 66 GROSVENOR STREET W1 MAYFAIR 8740



MADE BY
Comtesse Laboratories Ltd
 CHATHAM PLACE, LONDON, E.9
 TELEPHONE - - - AMHERST 5640

SHADEINE FOR GREY HAIR

FIFTY YEARS'
REPUTATION

All shades. Two sizes only at present. Retail prices 2/11 and 5/5 (including Purchase tax).



STOCKED BY ALL LEADING
WHOLESAVERS

KOKO FOR THE HAIR

50 years' reputation as HAIR TONIC and DRESSING

BUDGET INCREASE IN PURCHASE TAX

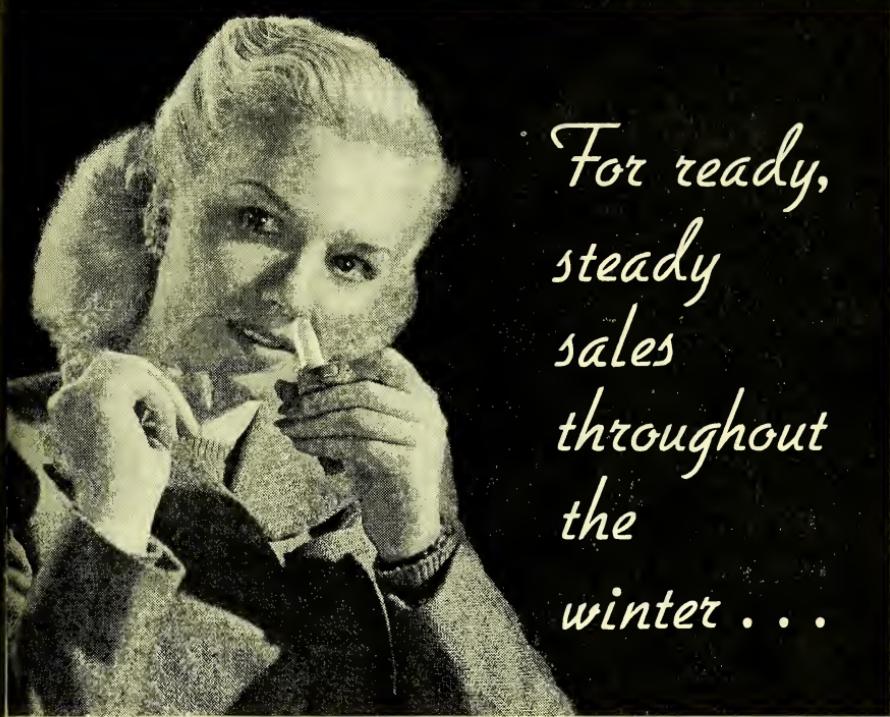
New prices are as follows:—

	New Retail Price.	Purchase Tax Per doz.	Trade Price Per doz.
Koko for the Hair	2/11	16/10½	13/6
Do.	5/10	33/9	27/-

Stocks available at Wholesalers.

KOKO MARICOPAS CO. LTD., 3, Fleet Lane, E.C.

*For ready,
steady
sales
throughout
the
winter . . .*

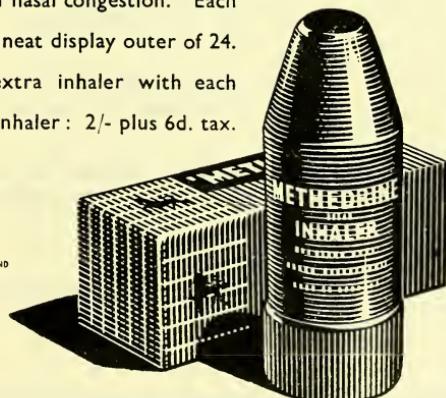


In good time for winter trade comes this new 'Methedrine' Inhaler. Smartly streamlined in blue plastic. Loaded with 'Methedrine' brand d-N-Methylamphetamine for prompt relief of nasal congestion. Each inhaler attractively cartoned and supplied in neat display outer of 24. A special introductory bonus offers one extra inhaler with each display outer. Retail price of 'Methedrine' Inhaler: 2/- plus 6d. tax.

The new
'Methedrine'^{BRAND}
Inhaler



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) **LONDON**



WARRICK BROS., LTD.,

INCORPORATING—MADDOCKS & CO.—R. HENDRIS & CO.

ESTABLISHED IN 1766

MAKERS OF FINE PRODUCTS

CAPSULES

LOZENGES

PASTILLES

OINTMENTS

PILE PREPARATIONS

PACKED IN A MANNER WORTHY
OF YOUR PHARMACY.

MANY PRODUCTS CAN BE SUPPLIED WITH
CUSTOMER'S OWN NAME AND ADDRESS.

SPECIAL FORMULAE, PACKINGS & LABELS,
OUR UNIQUE EXPERIENCE IS AT YOUR DISPOSAL.

4, 6, 8 & 10, NILE STREET,

LONDON. N.1.

The



CHEMIST AND DRUGGIST

for RETAILER — WHOLESALER — MANUFACTURER

JANUARY 17, 1948

Published weekly at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Strand, London."

4/- copies 1/- each. Annual subscription, which includes *The Chemist and Druggist Diary and Year Book*, 30/-

No. 3543

CONTENTS

Volume CXLIX

Births	... 76	Irish News	... 71
Business Changes	... 75	Leaves from a Locum's Notebook	... 92
Cartoon: Bargain Time	... 79	Legal Reports	... 75
Coming Events	... 91	Local News	... 70
Company News...	... 74	Miscellaneous Inquiries...	... 95
Correspondence...	... 94	News in Pictures	... 83
Deaths	... 76	Overseas News...	... 72
Editorial Articles:—		P. A. T. A.: Council Meeting...	... 80
Compelling Reasons for a "Square" Deal	... 85	Personalities	... 77
Medical Resistance Movement	... 86	Pharmaceutical Society of Great Britain: Council Meeting	... 87
Rerieve for Penicillin	... 86	Recent Research...	... 93
N.H.I. Oncost: Change of Rate	... 86	Topical Reflections	... 73
Fate of College and New Building	... 89	Trade Literature	... 91
Fifty Years Ago...	... 90	Trade Marks	... 100
Information Wanted	... 84	Trade Notes	... 78
Inquests	... 82	Trade Report	... 96

NEWS OF THE WEEK

Retail Prices Index.—The official index of retail prices was 103 at November 1, 1947 (against 100 at June 17 and 101 October 14).

Factory "Medicals" to Wait.—No action is to be taken at present by the British Government on two proposals, adopted at the 1946 session of the International Labour Conference, for the medical examination of children and young persons taking up employment in industrial or non-industrial occupations. The decisions made known in a statement (Cmd. 96) issued by the Ministry of Labour.

Streptomycin Treatment in Hospitals.—The total number of beds available at hospitals in the United Kingdom for the treatment of patients with streptomycin has been increased from about 150 to about 200, partly by increasing the number available at hospitals which were already giving such treatment, and partly by the reservation of beds at the following additional hospitals: University College Hospital, London, W.C.1; Addenbrooke's Hospital, Cambridge; Radcliffe Infirmary, Oxford; and King's Cross Hospital,

Dundee. All the hospitals concerned have been asked by the Ministry of Health to continue to restrict treatment with the drug to cases of tubercular meningitis and miliary tuberculosis.

Pilot Census Criticised.—A resolution disapproving the pilot census of distribution now being conducted by the Board of Trade was passed at a meeting of traders held in Kidderminster recently. An official from the Board, who was present to provide guidance on the filling-in of the census forms, had to answer much criticism, particularly of a section of the form calling for information on the total amount of customers' accounts outstanding. [The pilot census (see *C. & D.*, 1947.II.707) asks for such information as total takings, categories of employees and salaries paid, value and size of premises, types of goods sold, services provided, annual purchases, cost value of stock and total amount of outstanding customers' accounts. A letter accompanying the form states that returns will be treated as confidential and will not be used for income tax, price control, rationing or allocation of supplies.]

Tar Confederation Officers. — The following officers of the British Tar Confederation have been elected for 1948:— President, Dr. T. Howard Butler, Ph.D.; Treasurer, Mr. C. E. Carey; Chairman of Executive Board, Mr. R. Alsop, C.B.E.; Vice-chairmen of Executive Board, Dr. E. V. Evans, O.B.E., F.I.C., and Mr. S. Billbrough, B.Sc., F.I.C.

Increase in Raw Cocoa Prices. — Because of unprecedentedly high world prices, which are governed by the New York market, the Minister of Food has made an Order (S.R. & O., 1947, No. 2817), increasing from January 4 the selling price of West African cocoa in the United Kingdom from 119s. to 225s. 6d. per cwt. (plus duty), ex store. This unavoidable increase will result in higher retail prices for chocolate and chocolate confectionery.

Prevalence of Sickness. — A sample inquiry into the prevalence of sickness, carried out by the Social Survey, is analysed in the Registrar-General's Return of Births, Deaths and Marriages for the September Quarter, 1947 (H.M. Stationery Office, price sixpence). Of 2,553 men interviewed in May 1947, 1,509 were reported to have suffered some illness or injury, calling for 927 consultations with doctors; of 3,176 women interviewed, 2,200 reported illness or injury, with 1,316 consultations with doctors. In April, May and June together, illness or injury of some kind during a month was reported by 64 per cent. of all persons interviewed.

Export and Import Lists. — A new edition of the Customs and Excise Export List (H.M. Stationery Office, price 2s.), published recently, sets out the classified descriptions under which goods produced or manufactured in the United Kingdom, or goods imported for re-export, are to be entered when exported. Changes in the classification, of interest to the trade, are the inclusion of acetic acid as a separate item, the separation of penicillin-containing preparations from other medicinal items, and new or amended headings for soap products, medicated confectionery and certain plastic materials. A new edition of the Import List, also issued by the Customs and Excise (H.M. Stationery Office, price 2s.), gives the classified descriptions under which goods are required to be entered on importation into the United Kingdom. Principal changes in the classification include separation of soap products into various categories and new sections for plastic materials and manufactures.

LOCAL NEWS

Southampton Film Show. — At a meeting of the Southampton Branch of the Pharmaceutical Society and the Southampton Chemists' Association on January 3 three films were shown by permission Imperial Chemical Industries, Ltd. The first dealt with intravenous anaesthesia with particular reference to the use of Pentothal and the third was "The Care of the Patient before and after Anaesthesia." The meeting was well attended by both pharmacists and local members of the nursing profession.

Long-service Awards. — Three employees of Duncan, Flockhart & Co., Edinburgh, whose combined record of service with the company totalled 131 years, were given a special award by their colleagues recently when they retired. They were Messrs. Michael Barrett, senior tablet maker (sixty years' service record for the company), T. Prescott, of the company's own-grown crude drugs department (forty-one years), and Miss K. acting cashier during the war (thirteen years). Each guest, who had previously received a gift from the company, was given a further presentation from the staff. The record of Mr. Barrett (portrait, p. 83) is even more remarkable as part of a family association with the firm, his father having worked with Messrs. Duncan, Flockhart for fifty-four years, while a brother and two sisters, his wife and a daughter, have also worked in the business.

Chemists and Baby Foods. — At a meeting between Bradford Corporation Health Committee and the Bradford Executive Council on January 7, a discussion took place on the source from which, under the National Health Service, mothers should obtain baby foods. The Health Committee recommended that baby foods should be obtainable at cost price only from the municipal clinics; mothers might otherwise visit the clinics and receive the advice and help obtainable there. The Executive Council recommended that, for the convenience of the mothers, foods should be obtainable at cost price from chemists' shops, on presentation of a voucher. While the clinics were open only on certain days, chemists' shops were open every day. Conflicting recommendations were forwarded to the Ministry of Health by the two committees.

Harrow Members' Night. — At a recent members' night held by the Harrow Branch of the Pharmaceutical Society, Mr.

cyzowski, M.B.E., spoke on "Polish Pharmaceutical Education before the War." showed that a high professional status full recognition by government departments had been attained by the Polish pharmacist, who qualified from a university after a four-years' course of lectures and practical instruction. Mr. G. W. Hors-d'oeuvre, discussing "Photography and Retail Pharmacy," pointed out how essential it is for the retail pharmacist to give a first-class and personal service.

Seasonal Parties.—A feature of the staff Christmas party of JOHNSON & JOHNSON (GREAT BRITAIN), LTD., held recently at Slough, was a "cake" built from the company's products (see illustration); the cake was designed and made by a member of the staff.—The annual Christmas party of D. BEE FOOD PRODUCTS, LTD., held in London on December 23, 1947,

was attended by the directors, members of the staff and guests.—The annual New Year party and dance of the SOUTH-WEST LONDON CHEMISTS' ASSOCIATION was held January 7. In accordance with the usual custom of the Association, there were no speeches. The president (Mr. F. S. Copley) welcomed the guests and reminded them that the object of the party was to provide funds for the Benevolent Fund of the Pharmaceutical Society. The evening's events, which included a quiz and a beauty competition for men, produced £15 for the fund, and the sale of tickets is expected to have amounted to another £20.—THE YOUNG SECTION, BLACKPOOL BRANCH, PHARMACEUTICAL SOCIETY, held a children's party on January 7. Some sixty children were entertained to tea and ice-cream, and each child received a gift of chocolate and fruit from Father Christmas. The New Year party of THE WEST HAM ASSOCIATION OF PHARMACISTS, held at Manor Park on January 8, was attended by some sixty members and guests who were welcomed by Mr. J. Reed (president). The programme included games, whist and dancing, and the evening's events raised more than £13 for the Pharmaceutical Society's Benevolent Fund. Thanks to the organisers was expressed by Mr. G. P. Owen (vice-president).



IRISH NEWS

Irish Drug Association.—At the January meeting of the Committee of the Irish Drug Association, Mr. M. Costello (president) in the chair, a vote of sympathy was passed with Messrs. John and Lyall G. Smith on a recent family bereavement, and with the relatives of the late Mr. A. J. Donnell. It was pointed out that the discount to doctors, dentists, and veterinary surgeons on ethical proprietary preparations (including streptomycin) was 10 per cent. The secretary (Mr. B. R. Smith) reported on his attendance at a meeting of employers and employers' trade bodies to explain progress made between employers and trade union officials in discussions on possible increases in employees' salaries. The following new members were elected: Burke's Medical Hall, 28 Shop Street, Drogheda; Miss I. Connolly, M.P.S.I., Congress Road, Cork; Miss M. Kennelly, M.P.S.I., 23B Dawson Street, Dublin; and Mr. T. Murphy, M.P.S.I., Dunfanaghy, co. Donegal.

Ulster Chemists' Association.—Mr. J. C. Acheson (president) was in the chair at a meeting of the Executive Committee of the Ulster Chemists' Association held in Belfast on January 6. Three newly co-opted members (Messrs. W. H. Mulholland, C. L. Gordon Rattie and C. A. Quinn) were welcomed. A vote of sympathy was passed with the widow and family of the late Mr. John Gray, Ph.C. The secretary (Miss A. E. Strachan) reported that, in response to a request from the Belfast Chamber of Trade, she had forwarded the Association's views on the proposed Northern Ireland Statistics of Trade Bill. A protest had been made to the Minister of Commerce that the Bill was regarded with suspicion by the trading community, which was already overburdened by restrictions and forms. A letter from a member asked for the Association's support in pressing for purchase tax concessions to vendors of certain fragile commodities. It was agreed that the matter should again be brought to the notice of the Chamber of Trade. The following were elected to membership: Messrs. O. Keenan, Newry, M. P. Lee, Rostrevor, and W. J. Greer, Portglenone. The following, who had been approved at a previous meeting of the Associates' Section, were elected to associate membership: *Pharmaceutical chemists*, Miss V. Knight and Mr. J. K. Tizard; *Apprentices*, Messrs. B. Brannigan, H. Bryson, H. Caughey, T.

Gracey, R. Greenlees, W. J. Markey, J. E. Morley, S. J. Moore, T. Murphy, T. McClure, J. H. O'Brien and J. W. A. Shinner. The secretary reported complaints received from members that, since the increased rate of purchase tax had been imposed, certain manufacturers had not increased the prices of their commodities to the consumer to the extent of the extra amount of tax, with the result that the rate of profit to the retailer had been reduced. It was agreed that a protest should be sent to such manufacturers.

OVERSEAS NEWS

Argentine Iodine Imports.—The Central Bank of the Argentine Republic has decided to include in the list of "permissible" imports, iodine and unspecified compounds of iodine.

Egypt Eases Import Restrictions.—The Egyptian Government has lifted a number of import restrictions on a variety of goods from Britain and the sterling area, except Palestine. These include chemical and pharmaceutical products.

Company Formed for Exports.—The Rumanian Cabinet has approved the formation of a state-owned export company with a capital of \$30,000, all of which will be subscribed by the Finance Ministry. Chemicals are included among goods which the company is to export.

Scientific Equipment for Russia.—Under the Anglo-Soviet Trade and Payments Agreements, the text of which (Cmd. 7207, H.M. Stationery Office, price threepence) was published on January 7, scientific and laboratory apparatus to the value of £150,000 is to be delivered by Britain to the U.S.S.R. during 1948-49.

U.S. Weed-killers.—Two new weed-killing chemicals, sodium isopropyl xanthate and allyl mixed chlorophenyl carbonate, have been commercially produced by a U.S. company. Sodium isopropyl xanthate has been used with success for the chemical weeding of growing crops. Allyl mixed chlorophenyl carbonate is a selective killer, particularly useful against certain types of grasses.

U.S. Streptomycin Production.—October 1947 output of streptomycin in the U.S. amounted to approximately 1.3 million gm., an increase of about 300,000 gm. over September output. Stocks on hand for November 1 totalled 542,000 gm. Domestic consumption remains under 600,000 gm. per month, but export shipments had risen

from 125,000 gm. in July to approximately 500,000 gm. three months later.

China Seeks British Chemicals.—Although China's present trade policy will be continued, Government authorities are making efforts to introduce barter and liaison systems to help home industry and save foreign exchange. A scheme under consideration envisages the exchange of Chinese eggs, sheepskin fur, soya beans and oils for British chemicals, pharmaceuticals and industrial equipment.

Greek Olive Oil.—The Greek Minister of National Economy has decided to reduce the export price of olive oil to about \$1.02 per ton, f.o.b., for the refined qualities. Commission of 1 per cent. will be added: exports to Italy and France, 2 per cent.; exports to the United Kingdom, and 3 per cent. to exports to the U.S. The reduction in price is understood to have been imposed to meet competition.

Portuguese Olive Oil Production.—Production of olive oil in Portugal is expected to exceed 75,000,000 litres next season. The current output, although below expectations, is sufficient to cover home requirements and to enable the establishment of a reserve on which to fall back in times of shortage. The Portuguese Government is studying how best to export olive oil in order to obtain required foreign currency.

Anglo-Portuguese Agreement.—Following discussions between representatives of the British and Portuguese Governments on the monetary arrangements between the sterling area and the Portuguese monetary area, the Portuguese Government has agreed to facilitate the trade between the two areas. A wide range of United Kingdom goods is to be imported, and in return Portugal will increase her exports to Britain of a number of goods, including cork, resin and oilseeds.

Italian Botanicals.—Following complaints from France, Belgium and the United States of the poor quality of medicinal plants exported from Italy, and that usually the plants are not accompanied by certificates, Italian merchants are pressuring their Government for up-to-date regulations to control the gathering and conservation of medicinal plants. The first step suggested is to ensure that persons concerned in the production of vegetable drugs have an adequate knowledge of botanical pharmacognosy and pharmaceutical techniques. Courses to train the necessary specialists are recommended.

TOPICAL REFLECTIONS

Health Service Questions

The approach of the date fixed for the coming into force of the National Health Service scheme renders further consideration of its issues increasingly necessary. Since your issue of January 10 went to press a representative meeting of the British Medical Association has recommended refusal to work the Act in its present form. The chief objections of the medical profession are, I gather, (1) to basic salaries, (2) to abolition of sale of practices, and (3) refusal of the right of appeal to a court of law. This recommendation (to be followed by a referendum of the profession) is a clear warning that organised pharmacy may also run into stormy weather. Your reports on pp. 39 and 55 show that interest is being taken in N.H.S. questions in Somerset and Lancashire. The address of Mr. J. A. Speed at Preston was a useful presentation of facts: this is the best approach to a subject on which panel chemists cannot be too well informed. The speaker's "order of magnitude" of a chemist's classified sales may not be valid in every area of the country, though that point is immaterial. What is certain is that the onset of the new service will, as he says, bring a sudden increase in dispensing. His estimate of 500 "urgent" prescriptions per million insured persons per annum should be borne in mind. Mr. Speed remarked that chemists must, if they wish to take over all rural dispensing, be ready to show that the change would be in the best interest of patients. That demonstration should not be difficult.

ound the World

One of the features that make reading *THE CHEMIST AND DRUGGIST* a pleasure is that by going through its pages systematically we get away from the parish pump. Last week you had, in addition to several items headed "Overseas News," two signed articles and a final instalment, with editorial comment, of "Notes for Intending Emigrants." Dr. Malcolm Burr's account of Turkish liquidambar (pp. 56-7) tells us much that was only known to a limited group of specialists. For many readers the outstanding interest of the article is the linking of this genus of myrra-bearing trees with the Myocene age: others will study more closely the data concerning market stocks and prices. The outline by Mr. George Erényi on contemporary pharmacy in Hungary (pp. 48-49)

will be read with appreciation by educationists and others interested in pharmaceutical training. There is a traditional link between our country and Hungary in the fondness of both nations for open-air sports and pastimes, and the author's gesture of friendship will no doubt gain a response. His remark on respective levels of qualification is worth attention. On p. 49 there is given the first account that I have seen of the groundnuts scheme in East and Central Africa with a reference to pharmacists. Prospective applicants will be well advised to study carefully any further information obtainable at the address mentioned.

John Ray

One seldom gets far in a botanical subject without coming upon the name of John Ray (1627-1705). Thus it happens that his name occurs in an article referred to in my second paragraph, the account of Turkish liquidambar by Dr. Malcolm Burr. (By the way, there is a slip in the printed date for his "Historia Plantarum.") Ray was born seven years after another well-known British botanist, Robert Morison. Both adopted the botanical nomenclature evolved by Gaspard Bauhin in "Pinax Theatri Botanici" (1623). Much of Ray's work was original, and a series of books published in recent years under the auspices of the Ray Society testifies to his influence. He was one of the earliest Fellows of the Royal Society. In his correspondence there are several references to substances and apparatus used in pharmacy. On the medicinal value of cinchona, introduced into Europe about the middle of the seventeenth century, he (like Sir Thomas Browne) declined to commit himself. In 1661 he wrote to a correspondent: "Truly I am not competent to give you advice, as having never made or had any experiment of it myself . . . your friends here, to whom I communicated this your purpose, dehort you from the use of so slippery and ambiguous a medicine, unless yourself hath better experience of it than we." In another letter he confessed his inability fully to answer a query about perfumes used for gloves, though he gave a list of "several sorts of aromatic oils" and other products. The name of a Mr. White, "the chymist in Holywell in Oxford," remains on record in Ray's correspondence.

Xrayser

COMPANY NEWS

SERRICK, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in perfumery, cosmetics, hair and beauty preparations, etc. The first directors are to be appointed. Solicitors: Herrington & Carmichael, Camberley.

C. J. NUNNEY & CO. (CHEMISTS), LTD. (P.C.).—Capital £100. To carry on the business of chemists, etc. Cyril J. Nunney, M.P.S., Wilfrid B. Jordon, M.P.S., and James Kent, M.P.S., directors. R.O.: 2 Settle Road, Plaistow, London, E.

DEMPSON CHEMICAL INDUSTRIES, LTD. (P.C.).—Capital £100. To carry on the business of merchants and manufacturers of household chemicals and detergents, drugs, toilet goods, etc. Robert Epstein, director. R.O.: 203 Regent Street, London, W.1.

IODRIN PRODUCTS, LTD. (P.C.).—Capital £125. To carry on the business of manufacturers of pharmaceutical products, toilet preparations and cosmetics, etc. John D. G. Jones, 1 Hillsleigh Road, London, W.8 and Hywel W. Ashton, directors.

SCOTTISH HEATHER, LTD. (P.C.).—Capital £100. To carry on the business of exporters, importers and manufacturers of and dealers in chemicals, gases, drugs, medicines, disinfectants, etc. John MacMillan and Dorothy E. MacMillan, directors. R.O.: 86 Blatchington Road, Hove, 3.

JOHN ANTHONY & CO., LTD. (P.C.).—Registered in Edinburgh. Capital £100. To carry on the business of consulting, analytical, manufacturing and general chemists, etc. John Skinner and John J. Skinner, M.P.S., directors. R.O.: 12 Barnton Street, Stirling.

CARBON DIOXIDE (IRELAND), LTD. (P.C.).—Registered in Dublin. Capital £50,000. To carry on the business of dealers in and distributors of carbon dioxide and any other kindred substances, etc. Samuel W. Aitken, D. D. Frame and John R. Hastie, Invercloy, Burnham, Bucks, directors.

DENTON BROS. (CHEMISTS), LTD. (P.C.).—Capital £2,000. To acquire the business of chemists and druggists, now carried on by John G. Denton as "Denton Bros." John G. Denton, M.P.S., and Ronald L. Harrison, M.P.S., directors. R.O.: 94 Northgate, Hartlepool.

HOFELS CURATIVE FOODS, LTD. (P.C.).—Capital £2,000. To carry on the business of manufacturing, wholesale and retail chemists, etc. Charles F. Mackenzie, Ellen L. P. Dopson, Peter Backhouse and David Backhouse, directors. R.O.: 8 Guilford Street, London, W.C.1.

J. K. INNES & CO., LTD. (P.C.).—Capital £6,000. To carry on the business of chemical and drying engineers, designers and manufacturers of and dealers in chemical and drying plant, special purpose equipment, etc. James K. Innes, William J.

Raven and James W. W. Trench, directors R.O.: 4 Laws Lane, Carlisle.

SYDNEY H. MUGFORD, LTD. (P.C.).—Capital £1,000. To acquire the business now carried on at 11 Hills Place, Oxford Circus, London, W., as "Sydney H. Mugford" and to manufacture, import, export and deal in Schick Dry Shavers and all other types of razors, toilet requisites pharmaceutical, chemical and other preparations, etc. Sydney H. Mugford, Robert S. Freeman and Albert A. Gurney, directors. R.O.: 11 Hills Place, Oxford Circus, London, W.1.

UNICHEM, LTD.—The recent issue of 49,000 shares of £1 each to Unichem members was heavily oversubscribed.

IMPERIAL CHEMICAL INDUSTRIES, LTD.—The Rt Hon. Sir John Anderson, G.C.B., G.C.S.I. G.C.I.E., F.R.S., has been re-appointed a director of the company. He resigned from the Board in 1938 to take up a Cabinet appointment.

A. MILLAR & CO., LTD.—Net profit for the year ended October 31, 1947, amounted to £24,154, after providing for all charges and the payment of interim and preference dividends. Payment of final dividend on the ordinary shares of 8 per cent and a bonus of 3 per cent. (less income tax), making 11 per cent. for the year, was authorised at the annual general meeting. The retiring directors Lieutenant-Colonel R. M. Millar and Mr. W. S. Richardson, were re-elected.

COUNTY CHEMICAL CO., LTD.—Mr. Wilfrid Hill chairman and joint managing director, who is in his eightieth year, has decided upon a further degree of retirement. Mr. Norman Hill, who has been released from his post as assistant managing director of the County Perfumery Co., Ltd., is rejoining the family concern on March 1 and is to be appointed general sales director. Mr. L. C. Hill, brother of Mr. Norman Hill, will remain in the position he has held for several years as joint managing director of the County Chemical Co. Ltd.

GLAXO LABORATORIES, LTD.—The directors' report gives the net profit for the year ended September 30, 1947, as £1,139,982, which, with £66,40, brought forward from the previous year, make £1,206,387. The total ordinary dividend of 12s. 6d per unit is equivalent to approximately 8 per cent of the average amount of capital employed during the year which is attributable to the ordinary stock. The chairman's review recalls that the issued capital of Glaxo Laboratories, Ltd., was made identical with that of Joseph Nathan & Co., Ltd., by the acquisition of the assets of that company (other than the shareholding in Glaxo) in consideration of the issue of ordinary stock to the nominal value of £29,635. In consequence, there has arisen a share premium, a new item in the accounts, to the extent to which the book value of these assets exceed the nominal value of the stock issued. This share premium account amounts to £274,978. The director retiring by rotation is Sir Cyril F. Entwistle who is eligible for re-election.

LEGAL REPORTS

Committed to Assizes. — At Bradford, on January 9, Anne Cecilia Johnson, Shipley, was committed for trial at the next Leeds Assizes on a charge of stealing Ostermill and other goods from a Bradford Corporation clinic (see *C. & D.*, January 3, p. 6). She was allowed bail in personal sureties of £10 and £100.

Arsenic in Bronchial Tablets. — At Gloucester magistrates' court, recently, Arslite, Ltd., Gleam House, Montague Close, London Bridge, were fined £5, with 6s. costs, and Fountain Products, Ltd., the manufacturers, of 12 Catford Broadway, London, were fined £10, with £6 6s. costs, for selling bronchial tablets stated by an analyst to contain a mineral substance of the nature of ground limestone and a arsenical compound in such a quantity as to be beyond the safety limit for human consumption.

Medicated Sweets Without Allocation. — For using 47 cwt. of sugar for manufacturing medicated sweets for which they had no allocation, W. & M. Duncan, Ltd., confectionery manufacturers, Beaverhall Road, Edinburgh, were fined £30 at Edinburgh on December 19, 1947. Ministry of Food officials, it was stated, learned that a medicated sweet, consisting of chocolate with some vitamins added, was being sold in chemists' shops in Aberdeen. On inquiry, they found that the company, among others, had manufactured some of the sweets; they took action accordingly.

Money Paid to Representative. — Cheshire Co., Ltd., manufacturing chemists, 49 Farringdon Road, London, E.C.1, brought an action at Clerkenwell county court on December 21, 1947, against Joseph Coleman, merchant, High Street, Stanley, Co. Durham, for £29 8s. 6d., balance of an account for goods sold and delivered. Mr. I. Wallach (a director of the company) said Mr. Coleman had been supplied with tonic wine to the value of £61 5s. 6d., but had paid £31 17s. into court. Mr. Coleman wrote to the court saying he had paid the amount claimed to the firm's traveller, and sent a receipt, which, however, was not the firm's official receipt. Mr. Wallach said the traveller had no authority to collect money from customers. He had, indeed, been dismissed because he introduced "unreliable customers" to the firm. It was not known whether he had, in fact, collected money from Mr. Coleman, because the firm had been unable to trace him, and he had not paid any money over.

When asked whether words such as "On no account must accounts be paid to our traveller, but direct to the firm" appeared on the firm's order forms, he said there was no such notice. In view of this, the judge said, he was loath to give judgment against Mr. Coleman. He would grant an order that the amount already paid into court by Mr. Coleman should be paid out to the company, but the action would be adjourned generally. It could be restored to the court list for further hearing if the company was able to produce further evidence.

BUSINESS CHANGES

Boots Pure Drug Co., Ltd., have appointed Mr. E. Parrott buyer for all toilet products.

Mr. Philip Wood, A.C.A., has been appointed secretary of Vitamins, Ltd., Upper Mall, London, W.6, and associated companies.

East Northumberland Federal Co-operative Chemists, Ltd., recently opened their first pharmacy at Bedlington Station, Northumberland.

Mr. R. L. Sutton, M.P.S., has entered into partnership with Mr. J. Charles, M.P.S., A.R.P.S., 38 Queen Street, Burslem, Stoke-on-Trent.

Smith & Hill (Chemists), Ltd., have removed to Sidney Street, Sheffield, where they are continuing as an exclusively wholesale business.

Mr. David T. Hay, M.P.S., has acquired the pharmacy at 56 High Street, Leven, Fife, formerly carried on by Mr. G. T. Inglis.

George Shaw (Chemists), Ltd., have acquired the retail pharmacy at 9 Nether Edge Road, Sheffield, formerly carried on by Smith & Hill (Chemists), Ltd.

Mr. W. M. Stebbing, M.P.S., F.N.A.O., D.Opt., has acquired the business at The Pharmacy, Lundin Links, Lower Largo, Fife, formerly carried on by A. Hogg (The Pharmacy), Ltd.

George Hicks & Son, Rothesay, have acquired the business at Meadow Place, Skelmorlie, Ayr, formerly carried on by the late Mr. A. N. Brownlie, M.P.S.

Carmarthen Industrial Co-operative Society, Ltd., in association with National Co-operative Chemists, Ltd., have acquired the pharmacy at 18 Notts Square, Carmarthen, formerly carried on by Mr. Parry Jones, M.P.S.

The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, have appointed Mr. J. R. Bowden, M.P.S., general sales manager (home and export). Mr. Bowden was formerly the company's home sales manager.

S. MAW, SON & SONS, Ltd., have appointed Mr. Eric Lampard, M.P.S., 7 Westfield Park, Redland, Bristol, 6, to represent them in the West of England as a member of a new "task sales force" to promote the sale of the company's agency lines, Meritor toothbrushes and Meritor Antimoth. Messrs. F. R. Ridge and A. B. Freeman continue as the company's regular representatives in the West of England. [Corrected note.]

BIRTH

ATKINSON.—At Malabar Hill, Bombay, India, on December 26, 1947, Stella, the wife of Edward Atkinson (manager of Allen & Hanburys, Ltd., Bombay), of a son.

DEATHS

BLUNDELL.—On January 6, Miss Elsie Bennion Blundell, M.P.S., 22 Alderbrook



R o a d, Clapham South, London, S.W.12. Miss Blundell served her apprenticeship with the late Dr. Charles Symes, Ph.D., Ph.C., Liverpool, and qualified in 1917 from the Liverpool College of Pharmacy. In 1919 she was appointed assistant pharmacist to the Brompton Hospital for Consumption

and Diseases of the Chest, and in 1933 chief pharmacist at the South London Hospital for Women. She was for a number of years on the committee of the Guild of Public Pharmacists, and from 1924 was a member of the committee of the National Association of Women Pharmacists, of which she was treasurer, 1933-35, vice-president, 1935-37, and president, 1937. She also served on the council of the Guild of Public Pharmacists and at one time was editor of its official organ the "Public Pharmacist." Miss Blundell took an active interest in the work of the local branch of the Pharmaceutical Society, and served a term of office as president of the South-west London Chemists' Association. A colleague (D.M.J.) writes: Unfortunately ill-health gradually overtook Miss Blundell, though she carried on her duties with dogged determination until 1943, when illness compelled her to retire. Although she spent the last two years of her life in hospital, she maintained her interest in pharmacy to the end and was fully aware of current affairs. She was for many years an active member of the National Association of Women Pharmacists and retained her membership up to the time of her death. It was my privilege to work under her for a short period. During that time I came to know her both as a keen pharmacist who loved her craft and as a person of high

ideals with a kindly and lovable nature. She was always ready to hear the difficulties and problems of her fellow pharmacists and readily gave help when needed.

CLEMENT.—On January 8, Mr. Howell Edwin Clement, 77 Wensleydale Road, Hampton, Middlesex, formerly of 62 High Street, Hampton Hill, aged seventy-nine. Mr. Clement qualified as a chemist and druggist in 1892. The cremation took place at the New Mortlake crematorium on January 14.

HEAP.—On December 28, 1947, Mr. Alfred Heap, 13 Riley Avenue, St. Annes-on-Sea, Lancs, aged eighty-two. Mr. Heap qualified as a chemist and druggist in 1887.

INMAN.—Recently, Mr. Leslie Douglas Inman, M.P.S., 546 Streatham High Road, London, S.W.16, aged fifty-eight.

MITCHELL.—In a London nursing home, on January 5, Dr. C. A. Mitchell, formerly editor of the "Analyst," aged eighty. Dr. Mitchell's book on the history and analysis of inks, now in its fourth edition, is a standard work, constantly referred to when the authenticity of legal documents is in question. He was elected a Fellow of the Royal Institute of Chemistry in 1897 and for many years contributed articles to the lay Press on scientific subjects. He was president of the Medico-Legal Society from 1935 to 1937, honorary vice-president of the Medico-Legal Society of France in 1937, and vice-president of the Royal Institute of Chemistry, 1937 to 1940.

PAYNE.—On December 26, 1947, Mr. Glynton Garfield James Payne, M.P.S., 22 St. Margarets Road, Twickenham, Middlesex. Mr. Payne qualified in 1904.

SMITH.—At Corrybeg, Templeogue, co. Dublin, Eire, on December 31, 1947, Mrs. Isabella Gilchrist Smith, wife of Mr. John Smith, M.P.S.I. A son, Mr. Lyall Smith, is a former president of the Irish Drug Association and one of the most active members of the Photographic Dealers' Association in Eire, of which he is the secretary. At the interment those present included Mr. G. A. McLean Lee, M.P.S.I., and Mr. Brendan R. Smith, representing the Irish Drug Association.

STEWARDSON.—On December 22, 1947, Mr. Arthur Stewardson, Ph.C., 17 Elswick Road, Newcastle-on-Tyne. Mr. Stewardson qualified as a chemist and druggist in 1900 and passed the Pharmaceutical Chemist examination in 1902.

PERSONALITIES

SIR HENRY TIZARD, F.R.S. (chairman of the Defence Research Committee and the (civil) Advisory Council on Scientific Policy) was installed President of the British Association at a ceremony in London recently.

MR. GWILY H. HUGHES, M.P.S., who has been co-opted to the Council of the



Pharmaceutical Society (see p. 87), is treasurer and a past-president of the Anglesey, North Carnarvonshire and Colwyn Bay Branch of the Society. He has represented the Branch at meetings of the British Pharmaceutical Conference, and is well known also among members of the National Pharmaceutical Union, being a member of the N.P.U. committee appointed recently to consider dispensing in rural areas under the National Health Service Act. Mr. Hughes took his pharmaceutical training at the old London College of Pharmacy, under Messrs. H. Wootton and C. W. Gosling, and while there captained the College football team the Cyanides), qualifying from the College in 1922. In addition to his pharmaceutical activities, Mr. Hughes has been a member of the Conway borough council, serving for a number of years as chairman of the health committee; he is now a member of the borough council of Colwyn Bay, where he lives. He is president of the Conway Rotary Club.

MR. W. H. BINNIE, M.P.S., Bellshill, Lanarks, has been appointed the pharmaceutical representative of the Finance Committee of the Executive Council for the county of Lanark, set up under the National Health Service (Scotland) Act, 1947.

MR. C. H. FOSTER, M.P.S., who joins the retail section of the P.A.T.A. Council (see p. 80), conducts a number of old-established businesses in the Dulwich area of London. He is well known as a past-president of the South-east London Chemists' Association, vice-president of the London Pharmaceutical Committee, and chairman of the County of London Executive.

MR. JOHN R. HODGES, B.Pharm., and **Mrs. Hodges**, who have for several years been engaged on penicillin research at Glaxo Laboratories, Ltd., Greenford, and Barnard Castle, co. Durham, have sailed for New Zealand. Mr. Hodges is to work at the company's laboratories at Bunnethorpe, in the Dominion.

MR. R. DAWSON HUTCHINSON, M.P.S., of the Directorate of Medical Supplies, retired recently after being in Government service since joining the Local Government Board, forerunner of the Ministry of Health. He was the first pharmacist to be employed by the Ministry, and was for many years concerned with National Health Insurance matters.

MR. NORMAN E. FORSTER, the incoming president of the Proprietary Articles Trade Association (see p. 80), although a member of the Council's wholesale section, is, like his two immediate predecessors, a pharmacist. Born in Newcastle-on-Tyne, he served his apprenticeship with Hedley Pattinson, Ltd., Whitley Bay, qualifying in 1926 after courses at the Sunderland Technical College and the College of the Pharmaceutical Society. He passed the Pharmaceutical Chemist examination the following year, and gained prizes in both pharmaceutical chemistry and practical chemistry. After qualifying, Mr. Forster returned to the family business, Hall, Forster & Co., Ltd., Newcastle-on-Tyne, of which his father, Mr. J. Hall Forster, was a founder and director. Messrs. Hall, Forster were elected to the wholesale section of the P.A.T.A. Council in 1938, and from that date Mr. Norman Forster has represented his company on the Council. In 1939 he was elected a member of the Executive Committee, and in 1945 a vice-president. He is a member of the committee of Group 7 of the Wholesale Drug Trade Association, and, as honorary secretary of the Northern Wholesalers' Association, has rendered valuable service to the wholesale drug houses in the North of England.



TRADE NOTES

D. and P. Services. — Walker Photographic (Supa), Ltd., Stratford-on-Avon, offer pharmacists prompt developing and printing services at the usual discounts.

Birmingham Trades Exhibition. — The thirty-eighth National Trades and Industrial Exhibition, the first since the war, is to be held at Bingley Hall, Birmingham, from February 24 to April 3.

Own-formula Tablets. — Tell Products, Ltd., 22 Rosemont Road, London, N.W.6, undertake to manufacture large or small quantities of tablets up to $\frac{1}{2}$ in. diameter to customers' own requirements. Home and export inquiries are equally invited.

Display Material. — Velvet Crepe Paper Co., Ltd., Alperton, Middlesex, state that they have now in stock a limited quantity of specially designed showcards for use by stockists of Veleno soluble sanitary towels. Applications are being dealt with in rotation.

Error in Advertisement. — Through inadvertence, the price given for Neurophosphates in an advertisement by Menley & James, Ltd., Coldharbour Lane, London, S.E.5, in a recent issue of *THE CHEMIST AND DRUGGIST*, was wrongly given. The correct price is 5s. 4½d.

West-end Salon. — Innoxa (England), Ltd., have opened a new salon at 170 New Bond Street, London, W.1. The salon provides every modern facility for beauty treatment, with advice on make-up by experts. The full range of the company's preparations will be available.

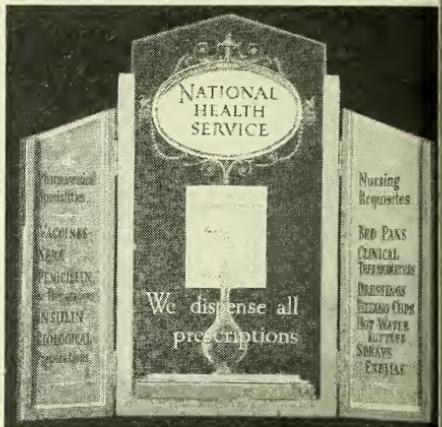
Hygienic Comb. — Sacker's Hygienic Comb Co., 8 Mount View Road, Crouch Hill, London, N.4, are suppliers to hospitals, clinics, public health services and chemists of Sacker's patented silver-plated all-metal fine-tooth comb. Supplies may be obtained from the manufacturers.

Supplies Adequate for Orders. — Gordon Moore, 31 Sinclair Road, London, W.14, state that, despite the theft of a large quantity of Gordon Moore dentifrice when their premises were broken into on January 2, they are nevertheless able to meet all orders from stock.

Hints to Business Men. — Guides to business men visiting Belgium and Luxembourg, Denmark, France and Norway, are included in a series of booklets issued free by the Board of Trade and obtainable on application to the Export Promotion

Department, 35 Old Queen Street, London, S.W.1.

Health Service Display Screen. — In preparation for the commencement of the National Health Service in July, the



National Pharmaceutical Union, 4 Queen Square, London, W.C.1, has prepared a three-panelled folding display screen in wood, overall size 22 in. x 20 in. The screen is light fawn in colour and fitted with detachable showcards in cream on blue. Application should be made to the secretary, enclosing £1 (packing and carriage included).

Industrial Equipment Exhibition. — An Engineering and Industrial Equipment (Home and Export) Exhibition, due to open at the Royal Horticultural Hall, Vincent Square, London, S.W.1, for two weeks from March 10, is likely to be of special interest to buyers, export manufacturers, merchant shippers and manufacturers at home and overseas, factory and works managers, and production engineers. The address of the organisers is 17 Henrietta Street, Covent Garden, London, W.C.2.

Tube and Vial Filling. — A new type of machine for automatically feeding tubes and vials has been introduced by the Automatic Weighing & Packing Machine Co., Caroline Street, Birmingham, 3. It incorporates a press for corks or a screwing attachment for screw caps. A similar machine with special filling head is used for crystalline penicillin, a special spinning

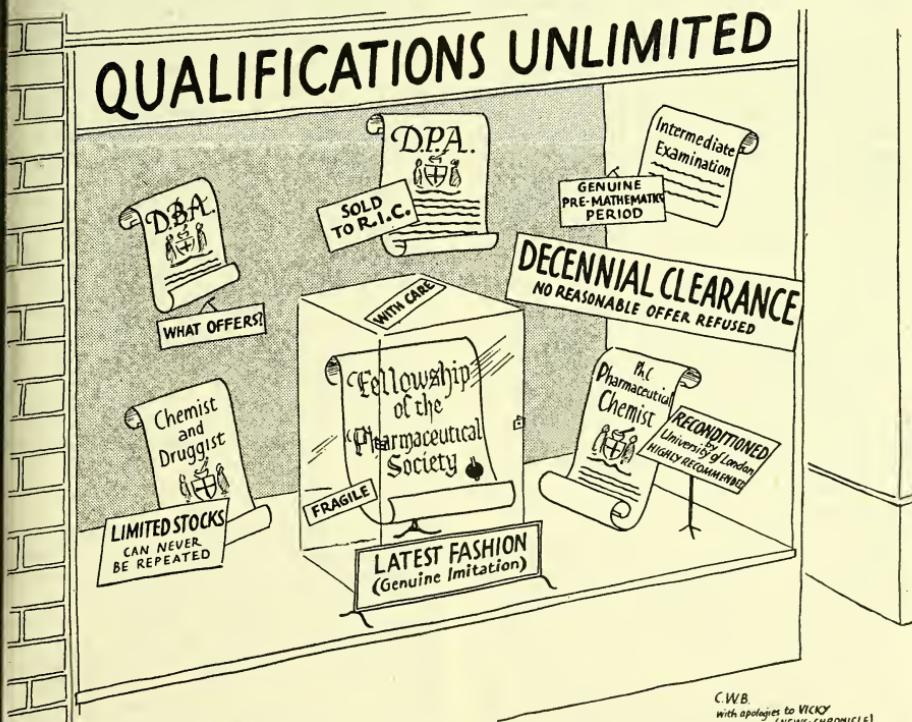
ear being provided to seal the metal cap over the stopper. Dyes, chemicals and pharmaceuticals can be satisfactorily handled, or a mechanically operated syringe can be provided for the precision filling of liquids and drugs. Further information may be obtained from an illustrated folder issued by the manufacturers.

Year-book Amendments. — Holders of the C. & D. Year Book and Diary, 1948, are asked to incorporate the following revisions and corrections that have become necessary since its appearance: ASTRA PRODUCTS, Astra House, Midsomer Norton, Bath, Somerset: Telephone number (Midsomer Norton 205, received too late for inclusion in Trade Directory; A. BERTON, LTD., 256 Old Street, London, E.C.1: Advertisement appears on p. 574 and not as stated in Trade Directory; W. J. BUSH & CO., LTD., Ash Grove, Hackney, London, E.8: Address given in Trade Directory (p.

167) should be amended to read as now given; Telephone numbers: Clissold 0461 (8 lines), and 6033 (4 lines); EMMET DISTRIBUTING CO., LTD., 140 Park Lane, London, W.1: Announcements by the company appear on pp. 572 and 573 and not as stated in the Trade Directory; EVANS MEDICAL SUPPLIES, LTD., Speke, Liverpool, 19; Telegraphic address for their London office is Evansmed-Cent; INTERNATIONAL BOTTLE CO., LTD., 140 Park Lane, London, W.1: Telegraphic address is correctly Autrefois, Audley, London, and not as given on p. 177 of the Trade Directory; KNOX LABORATORIES, LTD., 29 Duke Street, London, S.W.1: Telephone number is now Regent 4562; STEWART, GOODALL, DUNLOP, LTD., 121A Princes Street, Edinburgh: The subject of an announcement on p. 333 is Nucta hair-gleam and not as stated; UNIVERSAL BRUSH CO., LTD., Luton: Company's announcement appears on p. 571 and not as stated on p. 190.

BARGAIN TIME

QUALIFICATIONS UNLIMITED



C.W.B.
With apologies to VICKY
(NEWS-CHRONICLE)

Proposals recently before the Pharmaceutical Society's Council have a considerable bearing on the status of pharmaceutical qualifications.

PROPRIETARY ARTICLES TRADE ASSOCIATION

THE quarterly meeting of the Proprietary Articles Trade Association Council was held on January 8, the president (Mr. H. G. Middleton) in the chair. THE PRESIDENT referred to the death, shortly after the previous Council meeting, of Mr. N. N. Armitage (a former Council-member and president), and a resolution of sympathy with Mr. Armitage's family was passed in silence.

Resale Price Maintenance

The Council approved a statement submitted on behalf of the P.A.T.A. to the Resale Price Maintenance Committee. THE PRESIDENT said the statement had been carefully considered and checked by a special subcommittee and by the Executive. It represented a reasoned supplement to the evidence submitted to the Restraint of Trade Committee in 1930. The Council appointed the incoming President (Mr. Forster), Messrs. Middleton, Hague and Marns, Colonel Watson and the secretary to give oral evidence before the Committee.

The position arising from the innumerable changes in retail prices occasioned by the increased rates of purchase tax was considered, particularly in relation to the publication of the P.A.T.A. year-book and protected list for 1948. It was agreed that preparations, on the basis of the new prices, should proceed, but that the printing should be deferred until the terms of the April budget were announced.

Council and President

It was reported that the retiring members had been returned unopposed to fill twelve vacancies on the Council. Mr. C. H. Foster, Dulwich, was co-opted to fill a vacancy on the retail section of the Council occasioned by the retirement of Mr. Milner. The Council considered three applications for membership of the wholesale section. Messrs. W. Martindale (Wholesale), Ltd., were elected to membership of the section.

MR. F. J. SMITH, on behalf of the wholesale section, nominated Mr. N. E. Forster (vice-president representing the wholesale section) as President for 1948. Mr. Forster, he said, was one of the younger members of Council, and had done much hard and useful work for the Association and the trade. The motion was seconded by Mr. E. C. PEARCE, supported by Messrs. MARNs and MIDDLETON, and carried unanimously.

Mr. Forster then moved into the chair. He thanked the wholesale section and the Council for the honour conferred upon him. Although young himself, he said, he was old enough to know and appreciate the value of the P.A.T.A. His father had joined the retail section in 1897 and had seen that his son was brought up in the right tradition. 1948, he thought, was no likely to be an easy year. The Resale Price Maintenance Committee was in session, and the National Health Service, due to start in July, would affect all sections. He was confident, however, that co-operation between the three sections, which was such a feature of the P.A.T.A., would enable it to surmount any difficulties that might lie ahead.

Thanks to Retiring President

THE PRESIDENT moved a vote of thanks to the retiring president (Mr. H. G. Middleton), who had carried out his duties, he said, with marked distinction, and had truly earned the thanks of the Council and Association for his services during the year. Mr. Forster's remarks were endorsed by MR. W. S. HOWELLS, who said Mr. Middleton was not only a very good president but also a fine character to have had at the head of the Association's affairs; he stood for efficiency and stability. COLONEL WATSON and MR. PEARCE associated themselves with the remarks of the previous speakers. Thanking the speakers, MR. MIDDLETON said he laid down his office with a natural regret. It had been an interesting year, and he would always remember it for the great kindness he had received from the Council and from the Association's staff. He could assure Mr. Forster that he knew of no office likely to provide him with greater interest and pleasure than the presidential chair of the P.A.T.A.

Other Officers

The following officers were also elected: Vice-presidents: Messrs. E. C. Pearce (manufacturers); F. J. Smith (wholesale); S. W. Hague (retail); Treasurer: Mr. L. Barclay. Executive Committee: Messrs. N. Dewey, R. G. Dyas, P. G. Hunt (manufacturers); S. Watson, P. J. Lushington, H. G. T. Read (wholesalers); W. S. Howells, T. Marns, J. E. Goodall, D. A. Rees, F. G. Wells (retailers), with (ex officio) the president, immediate past-

resident, vice-presidents, treasurer, and the chairman of the P.A.T.A. Trust Co., Ltd. (Mr. C. H. Ratcliffe).

The secretary's quarterly report on price-maintenance work showed that, during the quarter, 470 calls had been made by the Association's test purchasers and investigators. In two cases only were P.A.T.A. goods being sold at cut prices. 490 test purchases were made during the period. Ten traders, having completed the appropriate agreement, had been removed from the stop list during the previous three months. A number of co-operative societies had been kept under observation and made the subject of inquiries and tests which, in the main, had showed more satisfactory results than on previous occasions. All known pre-war price-cutting traders in the London area had been approached with a view to the appropriate agreement being signed as a preliminary to the removal of their names from the stop list. Only a few had obstinately refused to complete the agreement, and even in those cases there was no evidence of price-cutting. The report was approved. The Council also dealt with matters relating to the stop and protected lists.

Guests at Luncheon

At a luncheon which preceded the meeting, THE PRESIDENT welcomed the Council's three guests, Messrs. G. A. Mallinson (secretary, National Pharmaceutical Union), A. R. Cross and C. H. Foster (members of the retail section of the P.A.T.A.). Mr. Middleton, on behalf of the Council, congratulated Mr. Mallinson on the award to him of the O.B.E. It was a recognition, he said, of his long and invaluable services to pharmacy and in particular of services in connection with the National Health Insurance Acts. Mr. Cross and Mr. Foster had been invited simply as "representative members of the rank and file of the P.A.T.A. retail section." The Council realised how much the Association owed to the support of its retail members, and he wished publicly to express appreciation of that support and to assure the members that everything possible would be done to protect their interests, both now and in the future. Mr. MALLINSON thanked the president; he appreciated greatly the honour conferred upon him, he said, but regarded it as a recognition of the services, in the spheres referred to, rendered by the National Pharmaceutical Union. He as-

sured the president and Council that the P.A.T.A. could rely on his support in its great work on behalf of the retail chemist. Messrs. Cross and Foster also thanked the president and Council.

Price List Changes

Additions to Protected List (Part 1).—*Pierce A. Arnold*, Neoran liquid, 4-oz., 32s. doz., tax 33½ per cent., inclusive retail price 4s. 1d.; 20-oz., 10s. doz., tax 33½ per cent., i.r.p. 15s. 7d.; 160-oz., 36s. 6d. each, tax 33½ per cent., i.r.p. 67s. 2d.; tablets, 42's, 2os. doz., tax 33½ per cent., i.r.p. 3s.; 100's, 39s. doz., tax 33½ per cent., i.r.p. 5s. 1d.; 500's, 160s. doz., tax 33½ per cent., i.r.p. 24s. 4d.; 1,000's, 21s. each, tax 33½ per cent., i.r.p. 38s. 6d.; ointment, 1-oz., 10s. doz., tax 33½ per cent., i.r.p. 1s. 7d.; 4-oz., 36s. doz., tax 33½ per cent., i.r.p. 5s. 6d.; 16-oz., 102s. doz., tax 33½ per cent., i.r.p. 15s. 7d.; emollient, 1-oz., 18s. doz., tax 33½ per cent., i.r.p. 2s. 9d.; 2-oz., 26s. doz., tax 33½ per cent., i.r.p. 4s. Less 2½ per cent. for cash within seven days.

Alterations to List (Part 1).—*Condy & Mitchell, Ltd.* (distributors, *Savory & Moore, Ltd.*), Condy's fluid, 8-oz., 13s. 6d. doz., tax 33½ per cent., i.r.p. 1s. 10½d.; crystals, 16s. 6d. doz., tax 33½ per cent., i.r.p. 2s. 3½d.

Hirst, Brooke & Hirst, Ltd., Gell's foot-rot ointment, small size, 14s. 5d. doz., tax 33½ per cent., i.r.p. 2s.

Hommels' Hæmatogen & Drug Co., Hommels' Hæmatogen, 45s. doz., tax 33½ per cent., i.r.p. 6s. 1½d.

Ilex Supply Co., Ltd., Page Barker's scurf pomade, 12s. doz., tax 33½ per cent., i.r.p. 1s. 10d.; 18s. doz., tax 33½ per cent., i.r.p. 3s.

Additions to List (Part 2).—*Rimmel Distributors, Ltd.*, Beauty cake, large plastic case, seven shades, 37s. doz., tax 125 per cent., i.r.p. 8s. 4d.; large refill, 32s. doz., tax 125 per cent., i.r.p. 7s. 3d.; small plastic case, seven shades, 22s. doz., tax 125 per cent., i.r.p. 4s. 11d.; sponge, 3s. doz. (exempt from tax), 4½d.; lipbrush, seven shades, 47s. 7d. doz., tax 125 per cent., i.r.p. 10s. 9d.; refills, seven shades, 23s. doz., tax 125 per cent., i.r.p. 5s. 3d.; lipstick in gold case, seven shades, 42s. doz., tax 125 per cent., i.r.p. 9s. 6d.; refills, seven shades, 19s. doz., tax 125 per cent., i.r.p. 4s. 3d.; Two-in-one cream, 2-oz., 22s. doz., tax 125 per cent., i.r.p. 4s. 11d.; 4-oz., 36s. 6d. doz., tax 125 per cent., i.r.p. 8s. 3d.; mascara (small), 19s. doz., tax 125 per cent., i.r.p. 4s. 3d.; mascara, French pack (mirror box), 32s. doz., tax 125 per cent., i.r.p. 7s. 3d.; toilet vinegar, 2-oz., 22s. doz., tax 125 per cent., i.r.p. 4s. 11d.; 4-oz., 32s. doz., tax 125 per cent., i.r.p. 7s. 3d.; French perfume, Cologne, 2-oz., 51s. 6d. doz., tax 125 per cent., i.r.p. 11s. 9d.; 4-oz., 87s. doz., tax 125 per cent., i.r.p. 19s. 6d.; 8-oz., 165s. doz., tax 125 per cent., i.r.p. 37s. 6d.; French lavender, 2-oz., 46s. 6d. doz., tax 125 per cent., i.r.p. 10s. 6d.; 4-oz., 72s. 6d. doz., tax 125 per cent., i.r.p. 16s. 6d.; 8-oz., 138s. doz., tax 125 per cent., i.r.p. 31s. 3d.; French perfume, Vocalise, 2-oz., 252s. doz., tax 125 per cent., i.r.p. 56s.; French perfume, Ghislaine, 2-oz., 252s. doz., tax 125 per cent., i.r.p. 56s.

INQUESTS

Dispenser Takes Prussic Acid.—A verdict that death was due to poisoning by prussic acid, self-administered, was returned at a North Somerset inquest recently on David Young, a dispenser employed by Boots, Ltd., 43 High Street, Burnham-on-Sea.

Deaths from Methyl Alcohol.—Returning a verdict that death was due to poisoning from methyl alcohol, the coroner at an inquest on a middle-aged man at Moneymore, co. Londonderry, Northern Ireland, recently, urged the police to try and trace the supply of methyl alcohol locally. The spirit, he said, had caused the deaths of seven people within fifteen months.

Five Times Fatal Dose.—At an inquest on a farm worker at Sherborne, Dorset, recently, a pathologist stated that five times the fatal dose of tetrachlorethane had been found in the dead man's stomach. The police had made extensive inquiries from chemists and other possible suppliers in the district but had been unable to trace how the dead man had obtained the substance. An open verdict was returned.

Caustic Soda as Diluent.—At an inquest at Bury recently, evidence was given that the dead woman had inadvertently been given, at a hospital, medicine diluted from a water jug into which the contents of a broken bottle of caustic soda solution had been put. When the patient complained of a peculiar taste the patient's glass had been refilled from the same jug. A verdict of death by misadventure was returned.

Black Market Barbiturate.—At an inquest at High Wycombe, Bucks, recently, on a man who died from an overdose of Amytal, a police sergeant said inquiries at chemists in the district had produced no evidence that Amytal had been prescribed for the dead man. Returning a verdict of suicide while the balance of his mind was disturbed, the deputy-coroner condemned black market dealers in such drugs, from whom, he assumed, the drug had been obtained.

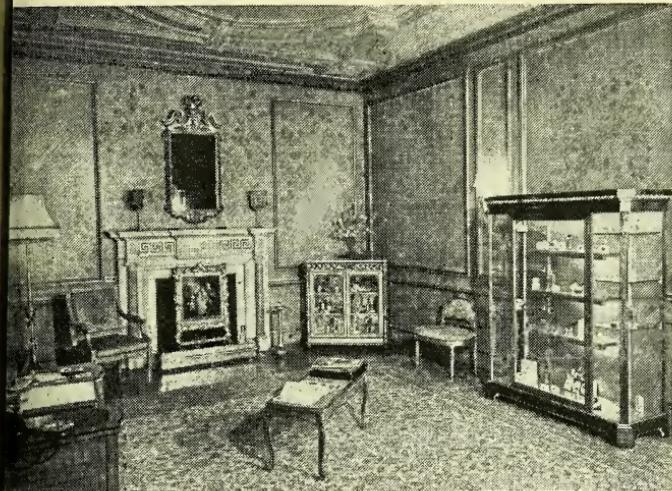
Death Follows Cocaine Spray.—A verdict of misadventure was recorded at a Southwark inquest recently on a sixty-nine-year-old woman who died at King's College Hospital, Denmark Hill, London, after being given a cocaine throat spray. A house surgeon said the woman had convulsions and died a few minutes after her throat

was sprayed with cocaine solution, prior to an examination. Dr. C. K. Simpson, pathologist, said that some people had weakness towards cocaine.

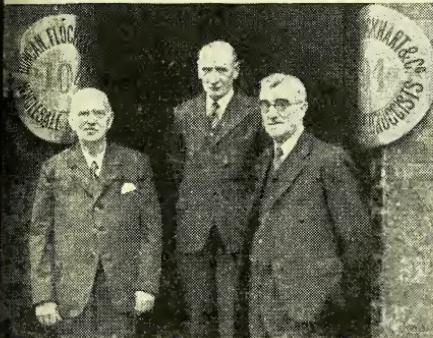
Morphine Suicide.—A verdict of suicide by morphine poisoning while the balance of the mind was disturbed was returned by the Nottingham coroner recently at an inquest on a thirty-two-year-old nurse who had committed suicide by a self-administered injection of morphine. A police sergeant stated that in the hotel bedroom which the woman had occupied he found a hypodermic syringe and two small bottles, one containing colourless liquid. A chambermaid had found three small phial at the back of a wardrobe in the room. A doctor stated that there was a small puncture wound on the woman's right thigh.

Ordered by Telephone.—At an inquest at Hastings recently on a former practitioner whose authorities had been withdrawn, and who died of barbiturate poisoning, the jury returned a verdict of suicide while the balance of mind was disturbed, adding that they considered that it was unsatisfactory that prescriptions for Luminal could be given without medical practitioners' seeing the patients concerned. Dr. R. Flintan Streatham, London, S.W., said he prescribed drugs for Mrs. Leitch for insomnia. He had not seen her for some weeks. Leitch rang him up and said his wife wanted more Luminal. He sent a prescription for fifty 1-gr. tablets. The Leitches were his friends.

Coroner Suggests Limit for Drugs.—At an inquest at Faversham recently on a twenty-year-old man who died from an overdose of phenobarbitone tablets, a verdict of suicide while the mind was disturbed was recorded. The Kent county coroner stated that though the doctor in the case did nothing improper in issuing a large amount of the drug, he advised that some precaution should be taken to prevent people from misusing the drugs prescribed for them. He stated his intention of suggesting to the appropriate authorities that a rule should be made to limit the quantity of poisonous drug which chemists might issue. The following day, at an inquest at Chatham, the coroner returned a verdict of death from misadventure on a twenty-five-year-old woman who died after taking eleven five-grain tablets of soluble barbitone, and reiterated his intention of trying to prevent the issue of tablets containing barbiturates in lethal doses.



NEWS IN PICTURES

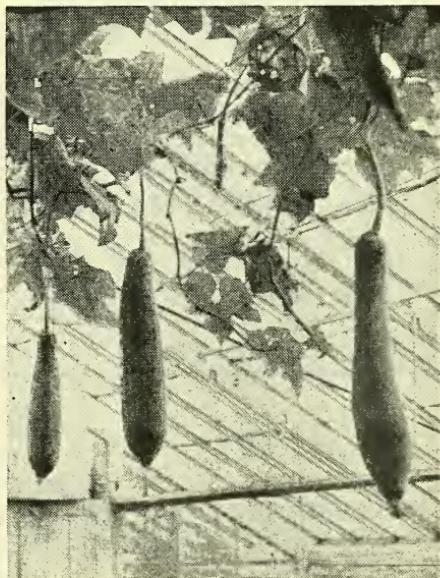


CHEMICAL WORKS STALWARTS. — Long-service employees of Duncan, Flockhart & Co. Mr. Michie, retired warehouse manager (fifty years); Mr. M. Barrett (see p. 70); and Mr. Haston (fifty-four)



FRENCH VISITOR AT LEATHERHEAD FACTORY. — Mr. D. I. Duveen, F.R.I.C. (technical director, Ashe Laboratories, Ltd., London) with Dr. Debat (director, Laboratoires Dr. Debat, Paris), and Mr. R. L. Swan (general manager of the company), at the works of Messrs. Ashe, at Leatherhead, Surrey.

NEW LONDON SHOWROOMS. — New and more commodious showrooms opened by Cussons, Sons & Co., Ltd., Manchester, at 84 Brook Street, Grosvenor Square, London, W.1, are furnished to provide a restful, comfortable and tasteful setting in keeping with the quality of the company's products on display.



ENGLISH-GROWN LOOFAHS. — Loofahs under cultivation in a greenhouse at the Corporation Park, Accrington, Lancs, during 1947. The plants were grown from seed sent in from China to the head gardener by a missionary (Rev. L. Constantine).



JOHN BELL'S TONIC - PHOSPHATES

THE PROVED TONIC WITH THE PLEASANT TASTE

You can confidently recommend John Bell's Tonic Phosphates for restoring jaded appetite, and for dispelling depression and lassitude.

Attractive Display Material on request

Sizes	New Retail Prices (Including Pur. Tax)
4 ozs.	3/4
8 ozs.	5.9
16 ozs.	11/3

JOHN BELL, HILLS & LUCAS, LTD.
Oxford Works, Worsley Bridge Rd., London, S.E.26



RANKIN BROTHERS & SONS
(RANKINS PARTNERS, LTD.)

139 BERMONDSEY STREET, LONDON, S.E.1

for DISPENSING
CORKS

OWNERS OF THE FINEST
CORK FORESTS IN PORTUGAL

AT YOUR SERVICE
FOR
PROPRIETARY ARTICLES
PHARMACEUTICAL PREPS.
DRUGGISTS' SUNDRIES
DRESSINGS

N. & M. GOULD LTD.

Wholesale Chemists' and Druggists' Sundriesmen
62, 64, 66, STONEY LANE,
LONDON, E.C.3
BISHOPSGATE 7734, 5355

DATA

**BURROUGH'S
ABSOLUTE
ALCOHOL**

Cale Distillery
London, S.E.11

TRAGACANTH

SPECIALISTS IN B.P. POWDER
SAMPLES AND PRICES ON REQUEST
FREUDENTHEIL, SMITH & CO., 16 Philpot Lane,
London, E.C.3
MANSION HOUSE 1924 & 6600.
ESTD. 1826.

Export Orders

substantially increased by intelligent
press advertising. We have 40
years' specialised experience
of overseas markets,
particularly in Proprietaries,
and can offer you valuable
guidance. Interview by appointment.

STUART HIRST LTD.
15, Bond Street, Leeds, I
'Phone. 22779. 'Grams: "Consult," Leeds

STANNOXYL

The original preparation of tin and
tin oxide for the treatment of Boils

TABLETS—TUBES OF 80
THE ANGLO-FRENCH DRUG CO., LTD., LONDON, W.C.1

DISPENSERS! What of your future? Holders of
the certificate of the Apothecaries Hall are invited
to communicate with the Hon. Secretary, Medical
Services Guild, Mr. B. W. Kirby, M.S.R., 19a Cur-
wen Rd., Shepherd's Bush, W.12. The Medical
Services Guild is the section of the CONFEDERA-
TION OF HEALTH SERVICE EMPLOYEES for
doctors, dentists, pharmacists, and all medical
auxiliaries.

TRADE MARKS, BRANDS, DESIGNS

Registered in all Countries
Write for particulars

LIMITED COMPANIES REGISTERED

CATON & SON
Monument Station Buildings, London, E.C.4
Telephone: MANSION House 4443

INFORMATION WANTED

The Editor would appreciate information
about suppliers of the following items:

Apiezol
Kurodene

Zeelax
Caphedrodine

The
CHEMIST AND DRUGGIST
 RETAILER—WHOLESALE—MANUFACTURER
 ESTABLISHED 1859

circulates throughout the Pharmaceutical, chemical, Drug, Essential Oil, Perfumery, cosmetic, Toilet Preparation and allied trades and Industries in Great Britain, the British Empire, and foreign countries. Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.

OL. CXLIX JANUARY 17, 1948 No. 3543

Compelling Reasons for a "Square" Deal

FOR some time past it has been realised by members of the Pharmaceutical Society that something would have to be done about their half-completed palace at Brunswick square. There has been no disposition at branch meetings to bring up this unpleasant subject, but gnawing away in the background has been the realisation that pharmacy had bitten off rather more than it was able to chew. Even in 1938, when the decision to build was taken, the project severely strained the Society's financial position. Its promoters were sanguine enough to hope that everything would turn out all right, but others were not so sure, and we had occasion to write editorially (C. & D., 1938, I.451):—

We understand that a certain amount of concern is evinced in official circles with regard to the rising costs, so much so that a suggestion has been made that appeals for financial aid should be put before the University of London, the Rockefeller trustees and certain firms connected with pharmacy The reaction of the trade generally to an appeal for financial support in raising a building for housing departments which continue to spend monies that could be used to further the interests of pharmacy will no doubt be watched with interest.

Indeed, the best that the then president of the Society (Mr. Thomas Marns) could say about the project was:—

"Finance must dominate such a pro-

ject as this, but finance is not the last word. . . . This building will house the activities of pharmacy; but also it must represent the aspirations of our craft," etc.

In the event, the trade reacted very generously. Members of the Society also responded handsomely to appeals for voluntary donations. It is not known whether the Rockefeller trustees made any contribution—probably not, or more would have been heard of it. At all events, the combined generosity of all well-wishers was not enough. Even under pre-war conditions the financial situation bid fair to place an intolerable burden on members of the Society. The precarious future of the new building was finally upset by the war and its aftermath, which raised building costs to a prohibitive level.

More Modest Requirements

In its statement about the future of the new building, which follows and is part of a statement about the handing over of its college to a new "independent" body not unassociated with the University of London, the Council gives as "compelling reasons" for disposing of the structure the "new status" of the college and the increasing interest of the University in its development. They are a good enough alibi that will deceive no one. In reality, the decision is a belated realisation that pharmacy could not afford to erect so grandiose a headquarters. The building reverts, at a figure to be negotiated, to the University of London, and the Council will obtain from the sale funds for the "more limited" accommodation which it will need for its administrative work. Members must hope for a good price so that the working conditions of the office staff of their Society do not become too cramped in the alternative accommodation provided.

As for the aspirations of the craft, fortunately they do not collapse with the bricks and mortar. Far from dying, they show every sign of having undergone a rebirth, so that pharmacists are looking forward with more optimism, and more justification for it, than when they had to convince themselves of their importance by spending all their money on a monument.

Reprise for Penicillin

EXPERIMENTS which seem to show that a considerable degree of penicillin-sensitivity can be restored to some strains of resistant bacteria are described by Vourekas ("Lancet," January 10, p. 62). His method was to associate resistant strains with other bacteria or their products, on the principle (which his findings tend to confirm) that penicillin-sensitivity may depend on the presence of a chemical or physical factor, deficient in the resistant bacteria, but restored by adding the others. The procedure was to grow the resistant and sensitive organisms together in mixed culture, then to isolate the resistant one and test its sensitivity. As control, a resistant bacterium cultured alone was used. Using strains of resistant staphylococci and streptococci obtained from Dr. Mary Baibar, whose revelations of increased resistance were made only recently (see *C. & D.*, 1947, II, 691) he found that they can readily be made sensitive, that a similar change can be induced if bacterial association occurs in the refrigerator, where growth does not take place, and that the acquired sensitivity lasts a long time. "Though every attempt should be made," he concludes, "to use penicillin so as to avoid the formation of resistant strains, the experiments described here show that the process is reversible, and that the contention that in the near future all strains of staphylococcus will be resistant to penicillin must be reconsidered." Thus the earlier pessimistic prediction may be unwarranted.

Medical Resistance Movement

IN taking a plebiscite of its members on the question whether to accept or reject the terms offered by the Minister of Health for entry into the National Health Service, the British Medical Association has (as has been widely publicised in the Press) accompanied the questionnaire forms with a strong recommendation to reject. Since, as the "British Medical Journal" points out in a leading article, "the Act cannot come into operation if the large majority of medical men and women stand firmly outside the new Service on July 5," pharmacists cannot but be interested in the outcome, though the points at issue are, in

the main, different in kind from the sort of difficulties that are likely to crop up in the relations between pharmacy and the Minister. First, "We are not prepared," says Dr. Hill (secretary of the B.M.A.) "to be in a salaried position. . . . With a salary even as small as £300 a year we shall begin to experience control." Secondly, the Association is at loggerheads with the Minister over the interpretation of clauses in the Act governing transactions in partnerships. Thirdly, the right is demanded for any practitioner to appeal to the Courts against a decision by the Minister to remove him from the Service. Point 3 has, perhaps, been oversimplified, since the decision to remove is taken by a Tribunal, and not personally by the Minister, and it is subject to review by an Advisory Committee, many members of which are doctors. It happens to be the only one of the three in which pharmacists have some measure of common interest—with the difference, however, that a pharmacist removed from the Service could possibly continue to make a livelihood by keeping open shop, whereas a doctor similarly removed is virtually debarred from practising his profession. The merits or demerits of the other two objections are domestic matters of the medical profession into which it is not for pharmacists to enter.

N.H.I. Oncost: A Change of Rate

A DOWNWARD grading of the "oncost" negotiated by the National Pharmaceutical Union of $33\frac{1}{3}$ per cent. on the prices allowed for drugs under the National Health Insurance contract may at first glance appear unfairly timed to coincide with an increase in purchase tax. The new rate, $28\frac{1}{2}$ per cent., is actually a second step down in percentage but both represent adjustments to maintain the "oncost" at the amount agreed in the negotiations. Since payment is on drug prices inclusive of purchase tax, it follows that, if the tax rate is increased, the balance will be upset by a heavier mass in the scalepan unless the arm is appropriately shortened by a proportionate change in the oncost percentage. This is what has been done, by arrangement between N.P.U. and Ministry of Health, as from December 1, 1947.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

Two Branch Representatives' meetings in 1948 and a new non-profit-making company to run the Society's College are among developments arising from decisions taken at the January meeting of the Council

MEETINGS of the Council of the Pharmaceutical Society of Great Britain were held on January 6 and 7, the vice-president (Mr. H. C. Shaw) in the chair. THE VICE-PRESIDENT gave apologies for absence from the president, Mrs. J. K. Irvine, who had been unwell, but was making good progress towards complete recovery, from Professor Dilling (also indisposed), Messrs. Deacon and Meldrum and Dr. Giles.

THE VICE-PRESIDENT referred with regret to the death of Professor E. C. Baly, C.B.E., F.R.S. (see *C. & D.*, January 10, p. 44), a former member of the board of examiners for England and Wales.

Christmas and New Year greetings to the Society and the Council were received from a number of overseas and home pharmaceutical Societies, Associations, Colleges, and other bodies and from the mayor of Finsbury (Mr. W. Barrie, M.P.S.).

THE VICE-PRESIDENT said everyone would be pleased at the award of the O.B.E. to Mr. G. A. Mallinson (secretary, National Pharmaceutical Union), which was an honour not only to the recipient but also to pharmacy. Tributes to Mr. Mallinson were paid by Messrs. A. R. MELHUISH, and C. DAVIS, and it was resolved to send letters of congratulation to him and to Messrs. H. Claughton (principal, London University), F. E. Gibson (a pharmaceutical chemist and member of the Legislative Council of Western Australia) and Mr. Fred Storey, M.P.S.N.I., whose names had also appeared in the Honours List.

The Council filled by ballot from nominations made at its previous meeting a vacancy created by the resignation of Mr. Knox Mawer. Mr. Gwilym Hyel Hughes, Conway, was elected. (Portrait, p. 77.)

Incorporation Scheme for College

The Council authorised publication of a statement (see p. 89) on the future of the College and new building and approved *nem. con.* the draft memorandum and articles of association of a company, limited by guarantee and not having a share capital, to be formed "to take over from The Pharmaceutical Society of Great Britain the School of Pharmacy founded and heretofore carried on by that Society under

the name 'The College of the Pharmaceutical Society,' and to carry on and develop the said School." The name of the company will be "The School of Pharmacy, University of London," and the council of management will consist of four members each of the University, the Society, and the Academic Board, respectively; the Dean; and not more than six co-opted members. All nominees and co-opted members will hold office for three years at a time, and the nominees of the Society will be appointed by the Council at its next meeting. In reply to questions raised, THE SECRETARY stated that one of the duties of the provisional council of the new company would be to enter into an agreement with the Society for the acquisition by the company of the equipment of the school. The future of the Brunswick Square building was a completely separate question, with which the company would not be concerned, and the consent of members of the Society would be required before that building could be disposed of, as was contemplated, to the University.

Special Meeting on Education

MR. C. W. MAPLETHORPE (chairman of the Education Committee), to which the draft examination regulations had been referred back, reported that the Committee had decided to hold a special meeting on February 2 to consider the matter, and he invited all members of the Council to attend. A motion, of which MR. GRANVILLE SHAW had given notice, on the subject, was held over till the February meeting of the Council.

THE SECRETARY reported that, on instructions from the president, he had sent a letter to the Ministry of Health asking what arrangements were to be made under the National Health Service for the pharmaceutical needs of small hospitals without pharmaceutical departments, and stating that the Society considered the needs of such hospitals could best be met by local pharmacists, under either a rota or some other system. The Council approved the action taken.

The report of the Organisation Committee, presented by MR. T. HESELTINE, included the following recommendations

arising from the minutes of a joint committee of the Council and of the British Pharmaceutical Conference Executive:—

(a) That a Branch Representatives' meeting be held annually in conjunction with the annual meeting of the Society, in addition to that held in conjunction with the Conference;

(b) that the annual meeting in 1948 be held on May 19, with the following timetable: 11 a.m.: Appointment of scrutineers; adjournment of the meeting. 7.30 p.m.: Adjourned meeting for transaction of all other business;

(c) that a Branch Representatives' meeting be held on May 20, and that the last date for submission of motions by Branches should be March 1; for submission of amendments, April 15.

A resolution received from Portsmouth Branch approved the policies of seeking a revision of the Society's Charter and of making changes in the examination regulations while opposing the appointment of three additional Privy Council nominees to the Council; and urged postponement for a few years of the proposed three-year final course. The views were referred to the appropriate committees.

Birdsgrove House: Benevolence: War Aid

The chairman of the Benevolent Fund Committee (Mr. E. A. BROCKLEHURST) announced that the Liverpool Chemists' Association had given £100 for the purchase of dining room requisites for Birdsgrove House, the Society's convalescent home. Grants amounting to £70 10s. from the Benevolent Fund had been made to one member and three widows. Recommendations for grants amounting to £849 6s. 8d. in eight other cases were approved. Grants in the last quarter of 1947 totalled thirty-nine, value £1,935, against thirty-two, value £1,664. Receipts were £3,237 against £2,550. Grants amounting to £62 6s. 8d. had been made from the War Aid Fund to two applicants. Two further grants amounting to £1,750 were approved.

Law Committee

The report of the Law Committee, presented by Mr. C. DAVIS (chairman), showed that, in November 1947, the Society's inspectors and agents had visited the premises of 1,394 authorised sellers, 187 listed sellers and 605 drug store proprietors and similar traders. Fifteen cases of alleged infringements of the Pharmacy

Acts had been reported and appropriate action taken. A magisterial decision concerning the supply of Fourth Schedule poisons by an unqualified animal practitioner had been given against the Society. The Council confirmed the recommendation of the Committee that, in view of the importance of the decision, notice of appeal should be given.

Registration

THE SECRETARY reported that, since the previous meeting, ninety-three persons had registered as apprentices or students, making 823 registrations for 1947; up to December 31, 1947, thirty-two Poles who had passed the necessary examinations had also been registered, making the total number of Poles registered during the year fifty-one. In reply to MR. H. M. HIRST, who asked whether the abnormal number of registrations was due to efforts to get registered before March 31, THE SECRETARY said that most of the people had probably taken the Qualifying examination, or would be well on the way to it, before the dates connected with the new draft regulations were known; it was difficult to see how many of them could have changed their plans at short notice. THE VICE-PRESIDENT thought it probable that the new National Health Service had been a stimulus, particularly from the standpoint of the ladies. MR. HIRST then inquired whether the Council could be supplied with an analysis of the 823, to show how many of them had been registered with the multiples. THE SECRETARY replied that the registrations were not of articles of pupilage. It would be possible for an articles of pupilage register to be analysed into different groups of pharmacists. MR. HIRST said he would like that done, with the numbers given separately for each sex.

Council's Powers in Question

MR. T. HESELTINE referred to an item in the Education Committee's report, presented by MR. C. W. MAPLETHORPE. The committee had agreed to admit a female student to re-examination in the Chemist and Druggist Qualifying examination without payment of further fee, and to pass the correspondence to the board of examiners, and Mr. Heseltine pointed out that the student, after taking the theoretical part of the examination, became involved in a motor accident, as a result of which she sustained serious injuries. A medical certificate had been sent in to the office to that effect, and the young lady had asked if her

oretical work might stand over until she is in a fit state to take the practical examination. That there was a rule against that type of thing was fully realised, but most rules were made to be broken, and he appealed to the Council to waive the rule that instance.

THE SECRETARY stated that, although the Council had the power to remit fees, it had no power to issue a certificate that a person had passed in a subject or any part of a subject. That was a matter for the board examiners.

Council's Authority Questioned

MR. HESELTINE queried this. He asked for another assurance that the Council had no authority to do it, pointing out that, if the papers had been burned and all the examiners killed, the examination would in those circumstances have had to be taken at a later date.

FATE OF COLLEGE AND NEW BUILDING

Statement on the future of the Pharmaceutical Society's College and of the uncompleted Brunswick Square building makes known important policies adopted by the Council at its January meeting.

THE future of the College of the Pharmaceutical Society has been under consideration by the Council in consultation with the University of London for some months past. The steady rise in costs and in the salaries payable to University staffs has rendered it increasingly difficult for the Society to meet the increasing cost of maintaining a School of the University at present-day standards. The Council accordingly represented to the University that it was no longer reasonable, in the educational circumstances of today, nor was it financially possible, for the College to be maintained mainly at the charge of the Society's members, and that increasing aid would need to be forthcoming from public funds. This appeal was readily and generously acknowledged by the University and by the University Grants Committee, and increasing assistance has been forthcoming for the College in such amount that, for the session 1947-48, the respective contributions paid by the Society and by the University will be £10,000 and £22,000 approximately, while by 1951-52 the University's contribution will have risen to £32,000. The £10,000 from the Society represents the maximum that the Society is likely to be able to contribute towards the upkeep of the College in the light of its other obligations, and it is probable that

THE SECRETARY assured Mr. Heseltine that the Council had no such power. The board of examiners issued the final certificate and the matter was up to them. If the Council gave the application its blessing, they would be opening a very wide door, because certificates of illness were frequently received between one period of an examination and another. The whole matter required careful consideration.

MR. MAPLETHORPE agreed that a dangerous situation might be created if half the examination were to be considered separately from the other half. In the young lady's own interest it would be better if she took the whole of the subjects as one examination.

MR. HESLTINE moved that the board of examiners should be recommended to treat the case under discussion along certain lines. MR. BROCKLEHURST seconded, and the recommendation was carried.

an increasing contribution will be needed from public money through the University. In addition to these annual payments, substantial expenditure on capital account will also have to be met, and this can be done only with further financial help from the University and the University Grants Committee. In these circumstances, it has become desirable to examine the future relationship of the College both to the Society and to the University, and also the future of the building in Brunswick Square, designed as it was for five-eighths of its accommodation to be occupied by the College.

Severance of College from the Society

The Council consider that the time has now come for the College to be formally severed from the Society and to become an independent corporate body, comparable in status with similar colleges of the University. It is proposed to bring this about by the incorporation of the College under the Companies Acts as a body not carried on for profit, a method of incorporation commonly adopted for educational institutions. A memorandum and articles of association are being drawn up for this purpose, providing for the governing of the College by a Council including representatives of the

Society, the University, the Academic Staff and the pharmaceutical profession and industry. This independent College will be financed by grants from the University and the Society, by fees, by benefactions, and by such money as it may receive from other sources, including the income from the generous endowment of £66,600 given two years ago by the trustees of the estate of the late Sir Henry Wellcome.

Commitments and Costs

The new constitutional position of the College will raise important questions in connection with the completion of the Brunswick Square building. The Society has spent approximately £200,000 upon the site and the building so far as it has at present proceeded, and it is estimated that approximately twice as much again may be required for the completion of the building at 1947 prices. The plans provide for five-eighths of the building when completed being occupied by the College, the remaining three-eighths being available for use by the Society for offices and for independent letting. In relation to the whole, the portion of the building to be occupied by the Society itself would, therefore, be small and the Council has had to examine with the greatest care the practicability of raising a further sum of perhaps £100,000 in order to complete a building of which, after the separation of the College, the Society itself would occupy perhaps a quarter. It recognises that the building has been a focus of pharmaceutical interest and that individuals, branches and manufacturing houses have shown their support of the project by generous gifts. It would, therefore, require compelling reasons to cause the project as originally conceived to be abandoned. The new status of the College and the increasing interest of the University in its development seem to the Council to constitute such reasons. Furthermore, the Council feel that the cost of completing the building, reasonable in 1938, would now impose grave strain on the Society's finances with little of the advantage which would have been secured if the Society had still undivided responsibility for the maintenance of its College. It was against this background that discussions were opened with the University in order to see whether the capital commitments involved in housing the College in the new building could be to some extent met from public money through the University Grants Committee. The outcome of these discussions has been a pro-

posal which is now under consideration by the University and the Council whereby the University would buy the building from the Society and accept the responsibility for its completion and for housing the College in it. Such part of the building as was not immediately required by the College would in these circumstances, be used by the University for its own purposes and not by the Society. Discussions are proceeding between the professional advisers of the Society and of the University as to the appropriate price of the building in its present state, and in due course the Council will place proposals before its members for consideration and adoption by a general meeting. There is little doubt that the members of the Society will share with the Council their regret at the inability of the Society to complete the original project. The Council are, however, satisfied that in the circumstances in which the Society and the College find themselves at this present time, the balance of advantage is much in favour of the proposed transaction. The College will have all the advantages of academic independence coupled with financial security and will be housed in the quarters originally designed for it. The Society will be freed from some heavy financial commitments, both capital and annual, and will have funds available for the more limited accommodation which it will need for its administrative work. Among the matters which will require consideration in connection with these important changes is the manner in which the donations which have been made for the Brunswick Square building by members and others shall be utilised. It is the intention of the Council that the donors of this money, wherever they can be identified, shall in due course be consulted as to their wishes in the new circumstances.

FIFTY YEARS AGO

Crime Made Easy

(From the C. & D., January 15, 1898)

UNDER this heading the "Daily Mail," in an article on January 6, gives a very fair statement of the ease with which poisons can be obtained from persons other than the class specially qualified to retail them. As the article remarks, the number of carbolic acid victims is appalling, and it rightly condemns the ease with which it can be obtained from oil shops, etc., as one of the most fruitful causes of this frightful mortality.

COMING EVENTS

Items should reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, January 19

WESTERN [LONDON] PHARMACISTS' ASSOCIATION, 17 Bloomsbury Square, London W.C.1, at 7.30 p.m. First in series of five lectures in refresher course, by Mr. H. S. Grainger, Ph.C. (chief pharmacist, Prince of Wales General Hospital).

HELSEA POLYTECHNIC CHEMICAL SOCIETY, Manresa Road, Chelsea, London, S.W.3, at 5.15 p.m. Dr. H. J. Barber (May & Baker, Ltd.) on "Antimalarials."

ARTFORD BRANCH, PHARMACEUTICAL SOCIETY, Wellcome Club (opposite Parish Church), High Street, Dartford, at 8 p.m. Mr. O. F. C. Bromfield (Editor, *THE CHEMIST AND DRUGGIST*) on "The Production of a Modern Weekly Trade News-paper."

SHIELD BRANCH, PHARMACEUTICAL SOCIETY, Lecture Room, Nether Congregational Church, Norfolk Street, Sheffield, at 7.45 p.m. Discussion, to be opened by Mr. E. Preston (chairman, Sheffield Pharmaceutical Committee), on National Health Service contract.

EST KENT BRANCH, NATIONAL PHARMACEUTICAL UNION, Central Library Hall, Beckenham Road, Beckenham, at 8 p.m. Mr. D. W. Hudson (a member of the N.P.U. Executive) on "The Comprehensive Pharmacy in the National Medical Service."

Tuesday, January 20

BRIGHTON AND HOVE ASSOCIATION OF PHARMACY, Union Church Institute Hall, Queen Square, Brighton, at 8 p.m. "The Preparation of Diphtheria Antitoxin and Phophylactcs" (Film prepared by The Wellcome Foundation, Ltd.), introduced by Mr. G. Norman Roberts. Refreshments from 7.30 p.m.

PLYMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Goodbody's Rooms, Marine Place, Plymouth, at 7.30 p.m. Dr. A. L. Bacharach, M.A., on "The Use of Laboratory Animals."

BIRMINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Grand Hotel, Birmingham, at 8 p.m. Dr. Gwyn Evans (Boots, Ltd.), on "Anticoagulants and Other New Therapeutic Agents in Diseases of the Blood Vessels" (illustrated).

Wednesday, January 21

NORTH BRITISH BRANCH, PHARMACEUTICAL SOCIETY, 36 York Place, Edinburgh, at 7.30 p.m. Evening meeting, Mr. D. H. O. Gemmell, on "Medicines and the Law of Negligence"; Dr. W. M. Todd on "The Teaching of Chemistry to Students of Pharmacy"; and Dr. J. P. Todd on "The Acid Treatment of Burns."

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND, Ministry of Agriculture Lecture Theatre, Elmwood Avenue, Belfast, at 8 p.m. Mr. Charles Beaven, Ph.C. (Parke, Davis & Co.) on "The Riddle of Allergy."

WEST HAM ASSOCIATION OF PHARMACISTS and EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Church Institute, 27 Romford Road, Stratford, London, E.15, at 7.45 p.m. Mr. H. E. Chapman (secretary, Proprietary Articles Trade Association) on "The Work of the P.A.T.A. and the Glynn-Jones Memorial Fund."

LONDON AND SOUTH-EASTERN COUNTIES SECTION, ROYAL INSTITUTE OF CHEMISTRY, Wellcome Research Institution, Euston Road, London, N.W.1, at 6.30 p.m. Mr. Hugh N. Linthead, O.B.E., M.P. (secretary, Pharmaceutical Society), on "Science and Parliament." [Corrected note.]

GLASGOW AND SOUTH-WESTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Royal Hotel, Hamilton, at 3 p.m. District meeting.

WALLASEY PHARMACISTS' ASSOCIATION, Hotel Victoria, New Brighton, 8 p.m.—1 a.m. Buffet dance. Tickets 12s. 6d. each.

HOUNSLOW BRANCH, PHARMACEUTICAL SOCIETY, Cadet Hall, Alexandra Road, Hounslow, at 7.45 p.m. Whist drive and dance. Tickets 4s. each.

NATIONAL ASSOCIATION OF WOMEN PHARMACISTS and SOUTH-WEST LONDON CHEMISTS' ASSOCIATION, 17 Bloomsbury Square, London W.C.1, at 7.30 p.m. Address by Mr. J. E. Oldershaw and film "Folic Acid."

NORTH STAFFS BRANCH, PHARMACEUTICAL SOCIETY, North Stafford Hotel (opposite Stoke station), at 7.30 p.m. Show of amateur cine films presented by Mr. John Martin, M.P.S., F.R.P.S.

Thursday, January 22

PHARMACEUTICAL SOCIETY OF IRELAND, C.U.S. Hall, 90 Lower Leeson Street, Dublin, at 8 p.m. Mr. Charles Beaven, Ph.C. (Parke, Davis & Co.) on "Riddle of Allergy."

EDINBURGH SECTION, CHEMICAL SOCIETY, North British Station Hotel, Edinburgh, at 7.30 p.m. Dr. H. T. Openshaw, M.A., on "Some Recent Developments in Alkaloid Chemistry."

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, Queen's Hotel, Grays, Essex, 7 for 7.30 p.m. Annual dinner and dance. Tickets (£1 1s. each) from secretary.

A SOUTHERN COUNTIES MEDICAL EXHIBITION is to be held at the Polygon Hotel, Southampton, April 20-22 (open 12 noon to 7 p.m. daily).

GLASGOW AND SOUTH-WESTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, is holding a dance at the Grand Hotel, Glasgow, on Tuesday, February 3, 7 p.m.—midnight. Tickets (12s. 6d. each) from members of the committee.

TRADE LITERATURE

THE second number of the first volume of a publication "Rubber Development" issued by the BRITISH RUBBER DEVELOPMENT BOARD, Market Buildings, Mark Lane, London, E.C.3, includes articles on rubberseed oil, latex purification, latex moulding and castings, etc. — EVANS MEDICAL SUPPLIES, LTD., Speke, Liverpool, 19, have now issued the January 1948 edition of their A list (drugs, fine chemicals, pharmaceutical preparations, etc.); copies may be obtained on application to the manufacturers. — A four-page price list giving new prices of specialities distributed by COATES & COOPER, LTD., Northwood, Middlesex, is now available. — Publications recently issued by MAY & BAKER, LTD., Dagenham, include booklets on Embequin di-iodohydroxyquinoline (first edition), Sulphatriad compound sulphonamide (first edition), pentamidine isethionate-M. & B. (first edition), and sulphanilamide-M. & B. (second edition).

LEAVES FROM A LOCUM'S NOTEBOOK

By Bernard W. Gill, M.P.S.

AFTER many years spent in business on my own account it has proved a pleasant change to do a round of locum work. To mix with all sorts and conditions of people, meeting a new circle of staff, customers and fellow lodgers every fortnight or so, is a stimulating experience; and there is satisfaction in seeing the obvious relief with which the owner of a business throws off his cares as he sets out on his holiday, the renewed zest with which he later returns to the daily round.

A locum necessarily gains much confidential information about his employer's business—information that he is in honour bound to keep to himself. I shall not deal with such matters but confine my remarks to general observations that should help to make the temporary transfer of control from proprietor to locum a less difficult and inconvenient process than it often is.

Misleading Labels

It may seem unnecessary to remind the chemist whose dispensary is being taken over by a stranger that all shop rounds and other containers should (a) be clearly labelled, and (b) actually contain the medicaments indicated by the labels, yet I frequently find labels so torn, stained and defaced as to be all but illegible. Worse still, I have sometimes come across labels that are positively misleading, e.g., S.V.M. Indust. labelled "Aq. Dest.", and tablets of Thiazamide in a box marked Veganin. I would urge the inexperienced locum to take nothing on trust when working in an unfamiliar dispensary, but to use the evidence not only of his eyes but of taste or smell when practicable. Only by constant vigilance are mistakes avoided.

The stockroom is often a nightmare to the locum, a place of frustration and bewilderment, a microcosm of primæval chaos. There has been no attempt to classify goods, or to arrange them so that all the stock is easily visible. I am aware that this disorder is not deliberate; a mixed lot of goods comes in, and the articles are put in vacant spaces on the shelves or in the cupboards—wherever there is room. When the procedure is repeated many times the result is almost unbelievable confusion. A question every pharmacist should ask himself from time to time is "Supposing I were suddenly to be removed from the scene of my labours, what would my successor

find?" The answer would often surprise him. He would discover, for instance, that the packed tins of ointments and the hot-water bottles were possibly hidden behind the stock of dispensing bottles; that the Minadex stood shoulder to shoulder with the Jeyes' fluid; that the sulph. sublim., in a leaking paper bag, was reclining on the mag. carb. lev., also in a paper bag; that boxes of toilet soaps and tooth-pastes were in no less than five widely separated compartments. These are not imaginary examples of bad stock-keeping. I have actually met with them and could instance many more. The resulting loss of time and temper is not the only drawback. Old stock accumulates and the amount of money lost annually through deterioration caused by careless methods of storage must be very large.

In the shop itself a locum often finds that items of stock are kept in the most unlikely places, where a newcomer may easily miss them. For this the power of precedent is usually responsible. Such-and-such an article is stored in a certain cupboard or drawer for no better reason than that it always has been stored there. I recall an amusing example in an old-established business which has been in the same family for generations. During the lifetime of an ancestor of the present owner, a certain proprietary declined in popularity and was put out of sight on a top shelf, along with a mixed assortment of articles that were seldom wanted. Today the item has recovered its popularity and is in brisk demand, yet the stock is still on the high shelf where it cannot be reached without recourse to a ladder.

Pleasures of Orderliness

What a relief to turn from a shop of the kind described to another where evidences of care, consideration and orderliness meet the locum on every side! Containers are filled up and distinctly labelled, every article not readily to be found in the lists is marked with its retail price, the pharmacy is methodically arranged in departments, and the goods displayed so that quick sales are facilitated. In the dispensary, stock solutions and mixtures are prepared, clean dispensing bottles of all sizes are ready to hand, and there is an ample supply of corks, labels, pill and ointment-boxes, and all the tools of the trade. A list of the chemist's own

ies is posted up, complete with selling prices. Note is made of any special preparations, peculiar to the neighbourhood, as may be asked for, with advice about the idiosyncrasies of individual customers. Instructions are given about the ordering of goods and the regular banking of cash, and necessary documents, e.g., poison registers, licences, and forms required for forwarding National Health Insurance prescriptions to the pricing office (or points in the food office) are readily accessible. In short, the needs of the locum have been intelligently anticipated.

careless with Cash

In my experience, pharmacists are lax in the matter of tills. I have seen few cash registers. The old-fashioned drawer till is still commonly used, and often no till-roll is provided. "Just count the day's takings and make a note of expenses. You can rely on my assistants, they are perfectly honest." Fortunately this is true in the majority of businesses, but since human nature is fallible, no avoidable temptation should be placed in its way. Dishonesty may be rare among shop assistants, but carelessness is common, and some method of checking the takings is essential if errors due to the giving of wrong change, etc., are to be exposed.

As an ex-employer who is now seeing pharmacy from the point of view of an employee, I am convinced that wages in the trade are still too low. The locum himself, possibly because of his scarcity value, seldom has any difficulty in obtaining an adequate fee, but the wages paid to regular employees need drastic revision. Everywhere I have found competent but unqualified women assistants who are doing the bulk of the routine work. Many of them during the war were literally the saviours of retail pharmacy. Without their devoted help many more pharmacies would have had to close. Are they receiving a due reward for their services? It is with feelings of shame that I hand out pay-packets that often contain no more than a pittance. Is it really necessary that a business with a turnover of £4,000-£5,000 a year, and employing three assistants, should have a weekly wages bill of less than £6?

Penicillin Cream "Such a Nuisance"

Post-war exhaustion and apathy have, of course, affected pharmacists no less than other traders. There is a reluctance to respond to the challenge of the times. Some

chemists, for example, refuse to supply penicillin cream, because "making it is such a nuisance, and takes up so much time." Many are quite unprepared for the increase in N.H.I. dispensing that is imminent: their staff, work-space and apparatus are deficient. An effort made now to meet the increased demands on the energy, prudence and goodwill of pharmacists would raise our calling to a level on which it could truly act, without chicanery, as the health-provider of the nation, and attract to its ranks men and women who would find in its many and various activities scope for the exercise of all their faculties.

I hope my conclusions will serve (a) to remind the proprietor pharmacist of the steps he should take if he wants the business to run smoothly in his absence, and (b) to forewarn a locum of pitfalls he is almost sure to encounter. I make allowance for the abnormal strain under which many pharmacists have worked during the last seven years, and if some of my comments have sounded a note of criticism it is because I have at heart the good name of pharmacy.

RECENT RESEARCH

Morphology of a Bacteriophage.—The morphology of the bacteriophage of *B. megatherium*, as revealed by the use of an electron-microscope, is described by McLauchlan and other workers at the University of Toronto ("Nature," 1947, II, 755). Measurements of the organism, which is described as probably one of the largest bacteriophages, show that the circular head is approximately 100 μ in diameter and 40 μ high. The tail, which is flat and undulating, is 260 μ long and 40 μ wide.

Ergosterol in Tuberculosis.—Negative results in sputum tests for tubercle were recorded by Raab ("Science," 1947, II, 546) in several cases of human tuberculosis treated with weekly injections of 300-500 mgm. of inactivated ergosterol intramuscularly for six months. The experiments followed trials upon guinea pigs, experimentally infected with virulent tubercle bacilli, in which a greater suppression of tuberculosis was obtained by injecting large doses of inactivated ergosterol than rather smaller doses of vitamin D. The injections were not followed by undesirable reactions (such as diarrhoea and loss in weight), which were present when vitamin D was injected.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

Retail Prices of Proprietaries

SIR.—May I ask for space in your correspondence columns to suggest that manufacturers of proprietary articles who advertise in your columns can render a real service to retail chemists by inserting in their advertisements the tax-inclusive retail price of their proprietary articles. It would be a boon to many chemists who are at the present time quite at sea as to the appropriate retail price.

Yours faithfully,
G. A. MALLINSON, *secretary,*
National Pharmaceutical Union.
London, W.C.1.

Appeal to Pharmacists

SIR.—Members of the Pharmaceutical Society will be receiving, during the next few weeks, the annual demand for Retention and Premises Fees, and it is the practice of many to include with their fees a donation to the Benevolent Fund. As chairman of the Benevolent Fund Committee may I appeal to all pharmacists to give generously to this most deserving object? The Committee has never turned away a deserving applicant, but it is being found necessary to give considerably larger grants to enable distressed members, widows and orphans of deceased pharmacists to maintain a decent standard of life and health. Will readers of this letter therefore bear in mind the greatly increased cost of living and the very large sum of money required to maintain this important part of the Society's activities. May I also mention our Convalescent Home—Birdsgrove House—which is available for all pharmacists in need of recuperative facilities, whatever their circumstances may be. The sympathetic and generous support of all concerned will allow this work to continue.

Yours faithfully,
Hull. E. A. BROCKLEHURST.

Birdsgrove House

SIR.—I would not like any reader to think, from your report on the proceedings of the Pharmaceutical Society's Benevolent Fund Committee (*C. & D.*, December 20, p. 757) that I am unsympathetic towards the need for any chemist's wife to enjoy the privileges of a rest at Birdsgrove House. What I did point out was that the

objects of the Benevolent Fund, as stated in the Charter, etc., do not include an help or assistance for chemists' wives or children during the lifetime of a pharmacist. The words used are "needy and distressed pharmacists, widows and orphans." What we need is a separate Fund, which might be called a Convalescent Treatment Fund, with donations kept apart from money raised for the original Benevolent and Orphan Funds.—Yours faithfully,

Newby, Scarborough. H. M. HIRST.

Pharmacists and Jury Service

SIR.—In Scotland no chemist and druggist is exempt from jury service; in England a pharmaceutical chemist (only) gain exemption. It seems surprising that the Pharmaceutical Society should still, apparently, accept the flattering (?) dictum given many years ago, that the authorities do not wish to be deprived of the services of such an able class. In these days of difficulty of obtaining a locum at short notice, and the increased responsibility of locked cupboards, etc., it should be easy to secure exemption granted as a right, without the necessity of obtaining a letter from the secretary and claiming exemption as a privilege. When I see the rector of our local academy, who is "exempt," taking his "constitutional" in the forenoon (a privilege which, strictly speaking, I am not allowed) I do not flatter myself that I will make a better jurymen, more particularly as, in order to carry out my duties, I have to get up at seven o'clock tomorrow morning to motor forty miles (no train or bus available) under a penalty of 100 merks Scots.—Yours faithfully,

Dunalba. R. S. WHITELAW.

Diplomas and Fellowships

SIR.—At the June 1945 meeting of the Council of the Pharmaceutical Society the chairman asked the Education Committee "to consider the need for continuing to offer the diploma in pharmaceutical analysis in view of the lack of interest which had been shown in it since it was established." It was agreed further to consider the matter at the next meeting. When the subject was raised at the next meeting it was reported that Dr. Hersant (chief analyst, May & Baker, Ltd.) had expressed regret that the D.P.A. was to be abandoned. Since

in the matter appears to have been lived. The December 1947 number of "Journal and Proceedings of the Royal Institute of Chemistry" contains questions in a special examination for the Fellowship in pharmaceutical analysis. The chairman of the Education Committee did not say who had shown the lack of interest in the D.P.A. I personally was unable to obtain copies of past questions. The prestige of a qualification depends largely on the examining authority behind it. How many would have taken Ph.C. or are likely to take the proposed Fellowship if there is a possibility of the qualification being abandoned?—Yours faithfully,

D.P.A. or F.R.I.C.?

the "Whole Hog" in Education

SIR.—May I suggest that the introduction by the Pharmaceutical Society of a new qualifying course equivalent to that for a university degree would result in unnecessary duplication of teaching effort. Mr. Mapletonhorpe stated at a meeting of the Guild of Public Pharmacists in London, recently, that it is "obvious to everyone" that the Pharmaceutical Society will cease eventually to be the examining body. If so, why can't the Society's Council admit the fact and work solidly towards transferring its examining prerogative to the universities? Since the Pharmaceutical Society's diploma would probably carry less prestige than a degree, and would be of less use to the holder for future study, the duplication of training facilities becomes doubly unfortunate. Examination by the universities would, indeed, create no precedent, for in many continental countries, and in many States in the U.S.A., pharmaceutical training is already in the hands of the universities. Mr. Mapletonhorpe further pointed out British Columbia, which previously required only a very low standard for qualification, has now decided "to go the whole hog," and has set up a School of Pharmacy (housed temporarily in army huts) in its Provincial University, where a three-year course is being given. Surely Britain should not lag behind one of the Dominions. Will not the handing over the Society's school to the University of London, moreover, leave the Society free to train the pharmaceutical technicians Mr. Linstead and others have recently offered as the means of liberating members of the Society for higher (and more remunerative) services?

TECHNICIAN PH.C.

MISCELLANEOUS INQUIRIES

Formulas given below may have been prepared for overseas subscribers and the inclusion of substances therein is no indication that they are available in Britain or, if available, permitted for the purpose.

Pethidine in Hydrochloride.—R. D. S.—Pethidine hydrochloride contains 86.5 per cent. of pethidine base.

Sherman Bourquin Units.—R.D.B.—1 mgm. of riboflavin is equivalent in activity to 400-500 Sherman Bourquin units.

Perfumed Disinfectant.—G. P. P.—The following formula makes a perfumed saponaceous disinfectant:—

Pine solution	15	parts
Potassium hydroxide	4.2	parts
Linseed oil	21	parts
Industrial methylated spirit	3	parts
Water	to 100	parts

Spray for Apple Mildew.—C. B.—Spraying with lime sulphur (calcium polysulphide) solution is recommended as a measure for the control of apple mildew. Three applications are necessary, the solution strength varying from $2\frac{1}{2}$ per cent. to 1 per cent., according to the stage of development of the leaf and flower buds. The Ministry of Agriculture Advisory Leaflet No. 205 (H.M. Stationery Office, price one penny) gives a description of affected plants and details of control measures.

DDT Spray Solution.—W.E.—Formulas recommended for a DDT spray for use in hand or power sprayers include:—

I
0.5 per cent. pyrethrins plus 0.3 per cent.
DDT, or—

II
0.03 per cent. pyrethrins plus 0.5 per cent.
DDT.

Both are put up in a kerosene base, with the addition of 5 per cent. sesame oil when available.

Electro-cardiograph Jelly.—A. R.—A jelly for use on the electrodes of an electro-cardiograph made to the following formula is used in a number of hospitals:—

Tragacanth powder	2	dr.
Industrial spirit	$\frac{1}{2}$	fl. oz.
Pumice powder	1	dr.
Water	5	fl. oz.
Glycerin	1	oz.

Mix the tragacanth with the industrial spirit, and add the water. Rub the pumice down with the mucilage, and add the glycerin.

Pharmacists with Foreign Qualifications.—J. D. R.—The Medical Practitioners and Pharmacists Act, 1947, enables the Pharmaceutical Society to register pharmacists qualified abroad either without examination and compliance with normal training and study requirements, or subject to such modified examination and other conditions as the Society may think proper. Pharmacists with foreign qualifications who are temporarily registered under the Defence Regulations are eligible for consideration; temporary registration continues for six months from the passing of the Act (December 18, 1947).

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade

28 Essex St., W.C.2, January 14

BUSINESS has been of a routine character in most sections of the PHARMACEUTICAL and FINE CHEMICALS markets, and the volume of inquiry is now rather lower than has been experienced in recent weeks. No price movements have been noted during the past week.

Crude Drugs

The markets for CRUDE DRUGS continue on a subdued note and most items are steady. A parcel of AGAR strip from Hongkong which was landed a few days ago has attracted considerable interest and 20s. per lb., duty paid, is asked for original packages. Further supplies of agar are expected shortly. Little interest has been shown in ALOES and prices are unchanged. There have been a few inquiries for COPAIBA BALSAM and what little business has been done has been at rather lower prices. Chinese CANTHARIDES shipment is tending firmer but spot values are not altered. Offers of CARDAMOMS, Aleppy seeds, on the spot, are at 8s. per lb. Activity in CASCARA SAGRADA is small, with a firmer market developing. CASCARILLA is quiet and quills have been marked down by one penny per lb.; quillings are said to be scarce on the spot. ERGOT is slightly easier. A good afloat business in Colombian IPECACUANHA has been done at 24s. 6d. per lb. MENTHOL is a quiet market. SHELLAC prices have shown appreciable advances. TURMERIC is also firmer on the spot. There are no supplies of STYRAX on the spot, and at present few prospects of replacements from Turkey.

Essential Oils

Firmer markets are reported for a number of ESSENTIAL OILS, including Ceylon CITRONELLA, LEMONGRASS and SASSAFRAS. On the other hand, lower prices are asked for Seychelles PATCHOULI and for PENNYROYAL. ANISE OIL, on the spot, is offered at 6s. 4½d. to 6s. 7½d. per lb. for drums, and 6s. 6d. per lb. for tins. Shipment offers of EUCALYPTUS OILS which were recently decontrolled are given in this issue. There has been a fair inquiry for PALMAROSA, but there are no supplies on the spot and a lack of offers for shipment. No import licences are being granted for SASSAFRAS and spot stocks are low.

U.S. Drug and Chemical Report

New York, January 9

THE principal feature of the FINE CHEMICALS market during the first week of the New Year was a price reduction for syn-

thetic CAMPHOR. The cuts, ranging from three to six cents per lb. established the following schedules: Technical material 2,000-lb. lots or more, 45 cents per lb.; in 1,500-lb. lots, 47½ cents; tablet prices are 83 to 85 cents, according to quantity and powder prices range from 66 to 68 cents.

Activity has again been very limited on the CRUDE DRUGS market. HYDRASTIS root is reported available on the basis of \$6.50-6.75 per lb. for whole material, and \$7.00 to \$7.25 for powdered—75 cents and \$1.25 per lb. down, respectively, following the loss of British business. The MENTHOL position has eased owing to the proximity of Japanese material. This is generally offered at \$9.15 per lb., but some dealers are said to be considering bids at \$9.00. Offerings of MERCURY reported a week ago at \$75 per flask are understood to have dried up and \$77 would now have to be paid for fair-sized shipments and \$79 to \$80 for smaller quantities. Interest in the metal, however, is exceedingly limited.

While the ESSENTIAL OILS and AROMATIC CHEMICALS markets are expected to become firmer in the near future, business has meanwhile been very dull with very slow ordering and few inquiries.

Some sharp competition for U.S. markets may develop in essential oils between material from Latin America and the Far East, if and when production and offerings from Java, Ceylon and other areas in the South Pacific approach pre-war levels, according to the "Journal of Commerce." Other sources, however, state that the downward trend over the past nine or ten months has been extended too far in many cases, and forecast a reaction early in the year.

Exchange Rates on London

Bank of England fixed rates at the opening on Wednesday morning were:—

Centre	Quoted	January 14
*Alexandria ...	Piastres to £	97½-97½
Amsterdam ...	Florins to £	10.68-10.70
*Bombay ...	Pence to rupees	1-5½-1-6½
Brussels ...	Francs to £	170½-176½
Copenhagen ...	Kroner to £	19.32-19.36
Dutch East Indies	Florins to £	10.68-10.70
Dutch West Indies	Florins to £	7.59-7.61
*Hong Kong ...	Pence to \$	1-2½-1-3 1/8
Lisbon ...	Escudos to £	99.80-100.20
Montreal ...	Dollars to £	4.02-4.03½
New York ...	Dollars to £	4.02-4.03½
Oslo ...	Kroner to £	19.98-20.02
Paris ...	Francs to £	479.7-480.3
Rio de Janeiro ...	Cruze to £	75.3948
*Singapore ...	Pence to \$	2-4½-2-4 1/2
Stockholm ...	Kronor to £	14.47-14.50
Zurich ...	Francs to £	17.34-17.36

* Free market rates.

Pharmaceutical Chemicals

AMMONIUM CHLORIDE, B.P.—Recently advanced prices are 9½d. per lb. for 1-cwt. lots and 11d. for 28-lb.

ASPIRIN.—Makers' prices per lb. for powder (containers in brackets), are unchanged: 1-cwt. lots (28-lb.), 3s. 5½d.; 6 lb. and under 1 cwt., 4s. 4½d. (1-lb.), 3½d. (2-lb.), 4s. 3d. (4-lb.), 4s. 2d. (7-lb.), 4s. 1½d. (14-lb.), 4s. 0½d. (28-lb.) et one month.

BROMIDES.—Current rates per lb. for POTASSIUM, in quantities of 28 lb. to 1 cwt. (containers in brackets), are as follows: 3s. 5½d. (1-lb.), 3s. 4½d. (2-lb.), 3s. 4d. (4-lb.), 3s. 3d. (7-lb.), 3s. 2½d. (14-lb.), 3s. 1½d. (28-lb.). In bulk, 1 cwt. is quoted at 2s. 7d. per lb. and 5 cwt. at 2s. 6d. powder is 2d. per lb. extra. SODIUM is 1½d. per lb. less than above rates; AMMONIUM is ½d. per lb. more than above rates. Terms re net; carriage paid on 1-cwt. lots in U.K.

CALAMINE.—B.P.C. quality is quoted at s. to 1s. 10d. per lb.

CALCIFEROL.—Quotations are at from 1s. to 12s. per gm., according to quantity.

CALCIUM GLUCONATE.—Makers' quotations are at 3s. 4d. per lb. for 1-cwt. lots.

CARBACHOL, B.P.—Price of small quantities is in the region of 5s. per gm.

CARBROMAL.—Importers' quotations are at 45s. per lb. In short supply.

CITRATES.—Makers' rates are as follows: POTASSIUM, 5-cwt. lots, 2s. 9½d. per lb., 1-cwt., 2s. 10½d.; quantities of 28 lb.-1cwt., quoted per lb. as follows (containers in brackets): 3s. 8½d. (1-lb.); 3s. 7d. (4-lb.); 3s. 6d. (7-lb.); 3s. 5½d. (14-lb.); 3s. 4½d. (28-lb.). FERRI ET AMMON. CIT., B.P., 7d. per lb. above. SODIUM B.P., 3d. per lb. below; POWDER, 1d. per lb. extra.

EPHEDRINE.—Quotations for the ALKALOID are at from 12s. 6d. to 13s. per oz., as to quantity. HYDROCHLORIDE is quoted at from 8s. 6d. to 9s. per oz. Supplies limited.

ERGOMETRINE.—Makers' prices per gm. are as follows: BASE, in quantities of 1 gm., £20; 5 gm., £19 5s.; 20 gm., £19. ACID MALEATE, 1 gm., £14 15s.; 5 gm., £14 5s.; 20 gm., £14.

HYPOMPHOSPHITES.—Makers' rates per lb. for 7-lb. lots are: AMMONIUM, 9s. 3d.; BARIUM, 6s. 3d.; CALCIUM, 4s. 11d.; IRON, 9s. 4d.; MAGNESIUM, 7s. 9d.; MANGANESE, 8s. 5d.; POTASSIUM, 6s. 1d.; SODIUM, 5s. 7d. HYPOMPHOSPHOROUS ACID, in quantities of 6 Winchester quarts, is 6s. 2d. per lb.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gm. in brackets): ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (4s.). HYDROCHLORIDE, HYDROBROMIDE and SULPHATE.—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

NICOTINIC ACID.—The list price is 65s. per lb.; in quantities of 14 lb., 62s. 6d. per

lb. NICOTINAMIDE is quoted at 140s. per lb.; 14 lb., 132s. 6d.

QUININE.—Current quotations per oz., varying as to quantity, are as follows: ALKALOID, from 5s. 7d. to 6s. 1d.; ARSENATE, ACETYL SALICYLATE, 7s. to 7s. 6d.; BISULPHATE and SULPHATE, 4s. to 4s. 6d.; DIHYDROBROMIDE and DIHYDROCHLORIDE, 5s. 2d. to 5s. 8d.; FORMATE and PHOSPHATE, 6s. to 6s. 6d. HYDROBROMIDE and HYDROCHLORIDE, 5s. to 5s. 6d.; GLYCEROPHOSPHATE, FLUORIDE and HYPOPHOSPHITE, 7s. 6d. to 8s.; SALICYLATE, 5s. 1d. to 5s. 7d.; TANNATE, 3s. 4d. to 3s. 10d.; VALERIANATE, 25s. QUININ. ET AETHYL. CARB. is quoted from 8s. 6d. to 9s. and QUININ. ET UREA HYDROCHLOR. from 6s. 6d. to 7s. per oz.

SODIUM ALGINATE.—Makers advise increased rates per lb. as follows: 7-lb. lots, 7s. 3d.; 28-lb., 7s.; 1-cwt., 6s. 6d.

STRYCHNINE.—Makers' current rates per oz. are as follows:—

Compound	Under	25 oz. and under	100 oz. and under
	25 oz.	100 oz.	500 oz.
Alkaloid	s. d.	s. d.	s. d.
...	6 2	6 0	5 10½
Bisulphate	5 4	5 2	5 0½
Hydrochloride	5 11	5 9	5 7½
Hypophosphate	9 8	9 6	9 4½
Nitrate	5 11	5 9	5 7½
Sulphate			
(neutral powder No. 2)	4 11	4 9	4 7½
Sulphate			
(neutral crystal and powder)	5 6	5 4	5 2½

TEREBENE.—Rates per lb. are as follows: Carboys, 3s. 9d.; 24 Winchester quarts, 3s. 10½d.; 12, 4s. 1½d.

THYROXINE SODIUM.—Makers' prices per gm. are as follows: 1 gm., 50s.; 10 gm., 45s.; 100 gm., 40s.

THYMOL, B.P.—In short supply. Quotations are from 18s. to 18s. 9d. per lb.

VALERIANATES.—Current quotations for quantities of 1 cwt. and over: IRON, SODIUM and ZINC, 42s. 6d. per lb.; AMYL ISOVALERATE, 37s. 6d.; ETHYL ISOVALERATE, 43s. 9d.; METHYL ISOVALERATE, 44s. 3d. MENTHIL is quoted at 95s. 6d. per lb.

VANILLIN.—Current rates are: 5 cwt., 22s. per lb.; 1 cwt., 22s. 3d.; 56 lb., 22s. 6d.; smaller quantities, 22s. 9d. per lb.

ZINC SALTS.—Prices per lb. are as follows: ACETATE, B.P.C., 3s. 9d. to 4s. 1d.; CARBONATE B.P.C., 1s. 11d. to 2s. 5d.; CHLORIDE, B.P. (white), fused, 3s. to 3s. 4d., stick, 3s. 10d. to 4s. 2d.; IODIDE, B.P.C., 18s. 9d.; OXIDE, B.P., 11d. to 1s. 2½d., prepared from carbonate, 5s. 6d. to 6s.; PERMANGANATE, B.P.C., 9s.; SULPHATE, B.P., 44s. 6d. per cwt.; powdered, 51s. 6d. to 65s. 6d. per cwt.; exsiccated, 10d. to 1s. 1½d. per lb. The above price ranges are according to quantity.

Crude Drugs

ALOES.—A quiet market with prices unchanged. Cape is offered at 160s. to 165s. spot, shipment, 135s. c.i.f. Curaçao in boxes is available from 235s. to 245s. spot; forward, 215s. to 220s. c.i.f.; Socotrine, spot, 156s. to 190s. per cwt.

ARNICA FLOWERS.—Little interest is shown in this item which is quoted at 3s. spot.

ASAFETIDA.—Block on the spot is available from £25 to £28 per cwt.

BALSAMS.—*Canada* on the spot continues firm at 17s. 6d. to 18s. per lb. *Pará Copáiba*, spot, 8s. per lb. for soluble, which is difficult to find, and 7s. 3d. for insoluble. *Peru*, *San Salvador*, is offered at 6s. 3d. per lb., duty paid. *Tolu* on spot, 19s. 6d. per lb.

BAY LEAVES.—Leaves without stems 95s. to 105s. per cwt., duty paid, quoted.

BELLADONNA.—Herb, B.P. is offered at 5s. 6d. per lb., spot; root, if available, is worth 6s. 6d. on the basis of a test of 0.5 per cent. alkaloids.

BENZOIN.—Steady. Quotations are from £15 to £18 per cwt., according to quality. The forward market is tending firmer.

BISMUTH.—Current price of high-grade metal is 11s. per lb. for quantities of 5 cwt.

BUCHU.—B.P. leaves, old-crop, quoted from 4s. 2d. to 4s. 3d. per lb., spot; ovalis are offered at 4s.

CALUMBA.—Little interest shown. Natural unwashed root, on the spot is offered at 67s. 6d. per cwt.

CAMPHOR.—Quiet. Chinese tablets (4-oz.) are quoted at 11s. 6d. to 11s. 9d. per lb., spot; refined powder (B.P.), 10s. 3d. to 10s. 6d., *Formosa* (B.B.), 9s. 6d. to 10s.; 2½-lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid. Chinese crude 93-95 per cent., 7s. per lb.

CANTHARIDES.—Chinese, on the spot, offered 11s. 6d., duty paid; shipment, 7s., c.i.f.

CAPSICUMS.—East African, spot, steady at 120s. to 140s. per cwt.

CARDAMOMS.—Mangalore: Half-bleached A's, 8s. 6d. per lb., spot; B's, 8s., seeds, 7s. 6d., nominal. *Aleppy* seeds, 8s. per lb. quoted for No. 1; *Aleppy* greens, 6s. 9d. to 7s. 3d., according to quality.

CASCARA SAGRADA.—1947 peel is offered at prices from 265s. to 275s. per cwt., according to holder; 1946 is at 270s. to 275s.

CASCARILLA.—Quills may be bought at 1s. 7d. to 1s. 8d. per lb., spot; siftings are rather scarce at 1s. 5d. to 1s. 6d.

CASSIA PODS (*C. fistula*).—East Indian, quoted at 70s. per cwt., ex wharf.

CHAMOMILES.—Belgian are quoted at 12s. to 12s. 6d. per lb., duty paid; Hungarian, spot, quoted at 3s. per lb., duty paid.

CHAULMOOGRA.—*Hydnocarpus*, in tins in cases, is quoted at 1s. 10d. per lb., spot.

CHILLIES.—Mombasa is quoted at 135s. per cwt., spot; Sierra Leone, 140s., nominal; Nigerian, 100s.; Japanese-type, 190s.

CINNAMON.—Steady. 0000 quill is quoted at 3s. 9d. spot; quillings, 1s. 9d.; featherings, 1s. 4d.; chips, 10d. per lb.

CLOVES.—Zanzibar, offered at 10d. per lb.; Penang, 3s. 6d. per lb., spot.

COCHINEAL.—Silver greys, quoted at 4s. 3d. per lb., spot; blacks, 4s. 6d.

COCOA BUTTER.—Maximum controlled price is 2s. 11d. per lb., delivered.

COD-LIVER OIL.—British-produced oil of B.P. quality is quoted from 12s. to 13s. per gall., delivered in the United Kingdom.

COLCHICUM.—Jugo-Slav corms are quoted at 9s. 9d. to 10s. per lb., spot.

COLOCYNTH.—Spot, fine-white is quoted at 1s. 10d.; medium-white at 1s. 9d. per lb.

DRAGONS BLOOD.—Singapore reboiled No. 1 is at £75 to £80 per cwt., spot; second-grade material is available at £50.

ELEMI.—A parcel of Manila No. 1 is offered at 2s. 6d. per lb., spot.

ERGOT.—Spot is offered at 4s. 4½d. per lb.; for shipment, 3s. 10d., c.i.f.

EUPHORBIUM.—Spot quotations are from 85s. to 90s. per cwt.

FRANGULA BARK.—Quills are quoted at 2s. 3d. per lb., spot.

GAMBOGE.—Siam pipe is offered at £55 per cwt., duty paid, ex warehouse.

GINGER.—Jamaica No. 1 is quoted at 120s. per cwt., spot; No. 2, 102s. 6d.; No. 3, 97s. 6d.; Sierra Leone is available at 67s. 6d.; new-crop, February-April shipment 64s., c.i.f.

GUM ACACIA.—Kordofan cleaned sorts, 70s. 6d. per cwt., spot London; shipment, 63s. 6d., c.i.f. Bleached No. 1, steady at 140s., ex store. Talha cleaned, 41s. per cwt., ex warehouse; shipment, 36s. 6d.

HENBANE.—B.P. is quoted at 4s. 6d. per lb., spot. Egyptian (*H. muticus*) is offered at 105s. per cwt., spot; 80s., c.i.f.

IPECACUANHA.—Nicaraguan on spot, 28s. 6d. to 30s. per lb., according to holder; shipment, 27s., c.i.f. Colombian root, 28s., spot; shipment, 25s., c.i.f.

SEEDS.—Very little business has been reported in the seeds market during the past week. **ANISE.**—Sellers are asking 1s. 10d. per lb. for Cyprus and 1s. 9d. per lb., duty paid, for Turkish, spot London or Liverpool. **CARAWAY.**—Dutch sellers quoting 1s. per lb., duty paid, ex wharf London. **CELERI.**—Indian sellers asking 1s. 3d. per lb., spot Liverpool. **CORIANDER.**—Spot Morocco is in short supply and secondhand sellers are now asking 55s. per cwt., duty paid in London. Argentine is unchanged at 47s. 6d. per cwt., duty paid. It is reported that Argentine for shipment is now

oted at 50s. per cwt., c.i.f. London. **UMIN.**—Spot, Indian is easier at 212s. 6d. per cwt., ex wharf Liverpool or Hull; Cyprus remains unchanged at 220s. per cwt. in London. **DILL.**—Indian, 47s. 6d. per cwt., spot London, and 45s. per cwt., spot Liverpool. For shipment the market dearer; 45s. per cwt., c.i.f. London, now quoted for January-February shipment. **ENNEL.**—Indian, 78s. per cwt., spot London, and 72s. 6d. per cwt., ex store Liverpool. **FENUGREEK.**—Indian quoted at 7s. 6d. per cwt., spot London, and 45s. per cwt., in Liverpool.

SENEGA.—Spot is quoted at 12s. to 2s. 3d. per lb.; shipment, 11s. 9d., c.i.f.

SENNNA.—Tinnevelly leaves on the spot, offered as follows: No. 1, 10d. to 1s. per lb.; No. 2, 8d. to 9d.; No. 3, 7d.; No. 4, 6d. to 6d. Tinnevelly pods, handpicked, 6d. to 1s. 4d.; manufacturing, 5½d. to 6d. Alexandrian pods, handpicked, spot, from 9d. to 5s. 9d., according to quality; medium, 2s. 9d.; manufacturing, 1s. 9d. to 6s. per lb. Alexandrian leaves, 1s. 2d. per lb. quoted for f.a.q.

SHELLAC.—A firmer market. Spot quotations, ex warehouse London, are as follows: F.O.T.N., pure, 332s. 6d.; Standard No. 1, 342s. 6d.; fine orange, 350s. to 400s. per cwt.

SPILL.—Italian white is quoted at 65s. per cwt., spot; Italian red, 84s., spot.

STRAMONIUM.—Hungarian, on the spot, is offered at 115s. per cwt.

STYRAX.—Nominal, 5s. 6d. per lb., spot.

TAMARINDS.—Barbadoes is quoted at 52s. 6d. per cwt., duty paid.

TONKA BEANS.—Frosted Pará is quoted at 5s. per lb., spot.

TRAGACANTH.—Selected white ribbon on the spot is available at £115 per cwt.; other white grades, from £60 to £100; pale leaf, £35 to £52; amber, £25 to £35; red, £13 to £18; hoggy, £7 to £11.

TURMERIC.—Madras finger is a firmer market with quotations at 117s. 6d. per cwt., spot Liverpool.

UVÆ URSI.—A parcel is offering at 1s. 1d. per lb., spot.

VALERIAN.—Belgian root is at 185s. to 224s. per cwt., according to holder.

WAXES.—Dar-es-Salaam **BEES'**, on spot, offered at 385s. per cwt.; Lindi, 375s. Benguela is quoted at 360s., duty paid; shipment, 305s., c.i.f. **CANDELILLA.**—Continues easy, at 400s. per cwt., spot, and shipment, 385s., c.i.f. **CARNAUBA.**—Fatty grey on spot, 515s. per cwt.; shipment, 480s., c.i.f. Prime yellow, spot, 850s. per cwt.; shipment, 800s., c.i.f. **MONTAN.**—An easier market. Reibeck is offering at 350s. per cwt.; Czechoslovak crude, 300s. **OURICURI.**—6 per cent., on spot, 375s. per cwt. Shipment, 1 per cent., 390s., c.i.f.; 2 per cent., 380s., c.i.f.; 5 per cent., 365s., c.i.f.

Essential and Expressed Oils

ALMOND.—B.P. (sweet) is firm at from 10s. 6d. to 12s. 6d. per lb. Bitter oil is quoted from 30s. to 55s. per lb., according to quality.

BAY.—West Indian is offered at 7s. 6d. to 8s. 6d. per lb., spot.

CADE.—Steady. Prices range from 4s. to 5s. 6d. per lb., according to holder and quantity.

CAMPHOR.—White oil is offered at 3s. to 3s. 6d. per lb., duty paid.

CANANGA.—Java oil, spot, is quoted from 35s. to 40s. per lb., 27s. 6d., c.i.f.

CASSIA.—Spot is steady at 15s. 6d. to 17s. per lb., according to quantity.

CINNAMON.—Spot offers of Ceylon bark oil are from 10s. to 12s. 6d. per oz., according to quantity; English-distilled, from 24s. to 40s. per oz.; B.P. oil is at 75s. to 85s. per lb. Leaf oil, spot, from 8s. 6d. to 10s. 6d. per lb.

CITRONELLA.—Ceylon on the spot is tending firmer with quotations from 4s. 9d. up to 6s. 6d. per lb., according to quantity; Java, spot, 12s. to 15s.

EUCALYPTUS.—Shipment, 70 to 75 per cent. cineole, 4s. per lb., c.i.f.; 80 to 85 per cent., 4s. 6d. to 4s. 10d., c.i.f.

FENNEL.—Sweet oil is quoted at 17s. 6d. to 20s. per lb., on the spot.

GERANIUM.—Bourbon is quoted from 65s. to 70s. per lb., according to quantity and grade.

GINGER.—Prices are quoted from 75s. to 85s. and upwards per lb., according to grade and seller.

GUAIAWOOD.—Rather scarce on spot with offers at from 18s. to 20s. per lb.

JUNIPER BERRY.—Imported oil is offered at from 28s. to 35s. per lb.; English distilled (B.P.C.) is available at prices from 35s. per lb.

LEMONGRASS.—Spot offers are from 8s. 6d. to 10s. 6d. per lb., as to holder; shipment, 8s. to 8s. 4½d., c.i.f.

OLIVE.—The Olive Oil Importers' Association price for edible, 1 per cent., to wholesalers is 51s. per gall. of 9 lb., in drums, ex store. Wholesalers' prices to retailers are as follows: In gall. loan cans, 58s. 9d. per gall.; in ¼ gall., 59s. 6d.; in quart loan containers, 60s. 4d. and in pint containers, 61s. 4d. per gall., all delivered.

ORIGANUM.—Quotations are from 18s. 6d. to 20s. per lb., spot, according to holder.

PALMAROSA.—Nominal on spot; offers of shipment are difficult to obtain, nominal value, 29s. 6d. per lb., c.i.f.

PATCHOULI.—Supplies on the spot are rather low; quotations are from 50s. to 60s. per lb. for Seychelles and 70s. to 80s. per lb. for Singapore.

PENNYROYAL.—Spot is steady at from 21s. to 25s. per lb.

TRADE MARKS

(From the "Trade Marks Journal,"
December 17, 1947)

- "SENNALOIDS"; for senna laxative preparations (5). By Bertram Maurice Black, 117 Allerton Road, Liverpool, 18. B648,974.
- "STONE'S"; for medicated tonic wines (5). By The Finsbury Distillery Co., Ltd., 7 Moreland Street, Goswell Road, London, E.C.1. 649,282 (Associated).
- "EVEREST" and picture of Mount Everest (word "Everest" disclaimed); for all goods except toilet paper (5). By Marshall's Food Products, Ltd., 41 Dockhead, London, S.E.1. 652,781 (Associated).
- "ACORZA"; for all goods except medicated confectionery (5). By Albert Forster, 30 Church Street, Seaham, co. Durham. 652,900.
- "ADVEL", "CALDEVEL", "KAEVEL", "RIBOVEL"; for pharmaceutical preparations (5). By Vitamins, Ltd., 23 Upper Mall, London, W.6. 653,630, 653,633, 653,635 and 653,638.
- "PROMANINE"; for pharmaceutical preparations for human and veterinary use (5). By Parke, Davis & Co., 50 Beak Street, London, W.1. 653,738 (Associated).
- "DRANT"; for deodorants (5). By Neil Gollin Leland, 23 Donne Place, London, S.W.3. 654,148.
- "PHENOXYLENE"; for substances containing chlorinated phenoxyacetic acid and homologues thereof, all being weed killers (5). By Pest Control, Ltd., Harston, Cambs. 662,568.
- "SECTO"; for guns and sprayers for projecting insecticides and disinfectants (8). By Cupal, Ltd., Phoenix Mill, Blackburn, Lancs. 652,937.
- "COCK OF THE NORTH" in distinctive lettering; for non-medicated toilet paper, etc. (16). By Willard Paper Mills, Ltd., Aycliffe Trading Estate (Street 16), Durham. 651,234.
- "MARKSMAN"; for natural rubber and artificial sponges (21). By Leslie Marks & Co., Ltd., 10 Coleman Street, London, E.C.2. 653,533.

(From "The Trade Marks Journal," December 24, 1947)

- "ACULON", "PAVALON"; for all goods (1), "ENTRAMIDE"; for amides being pharmaceutical substances, and preparations containing amides, all for human and veterinary use (5). By May & Baker, Ltd., Dagenham, Essex. 653,067, 653,069 and 650,720 (Associated).
- "KITIEN"; for lipstick and nail varnish (3). By Arthur Roskoff, 15 Route de Chene, Geneva, Switzerland. 647,017.
- "MITIKON"; for perfumes, toilet preparations (not medicated), cosmetics, dentifrices, depilatories, toilet articles (not included in other Classes), sachets for hair-waving, soaps and essential oils (3). By Vine's Biocrin, Ltd., 222 Harrow Road, London, W.2. 652,597.
- "THE BLUE TRAIN"; for perfumes and toilet powders (3). By Picot, Ltd., 191 Hammersmith Road, London, W.6. 654,024 (Associated).
- "WALPOLE"; for medicated preparations, medicinal herbs, infants' and invalids' foods and dietetic foods (5). By Walpole Dispensaries & Botanic Pharmacy, Ltd., 32 East Park Terrace, Southampton. 652,215.

- "FYTOLEX"; for insecticides, fungicides, and preparations for killing weeds and vermin (5). By Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2. 649,291.
- "MERPHYLLINE"; for medicated preparations consisting of or containing theophylline (5); "NOVOTRAST"; for all goods included in this Class, except medicated paper and any goods of the same description as medicated paper (5). By the Wellcome Foundation, Ltd., 183 Euston Road, London, N.W.1. 652,422-23.
- "HERPOLIN"; for medicated ointment for use in the treatment of cold-sores; "RAPALAX"; for laxatives (5). By Vermex Chemical Co., Ltd., 20 Queen Street, Blackpool, Lancs. 652,508 and 652,510.
- "AFDOBEN", "TIVOLAC", "STERAQUA"; for all goods (5). By Hirst, Brooke & Hirst, Ltd., Sheepscar Works, Leeds. 653,116-17 and 653,119.
- "INOPEP"; for pharmaceutical preparations for use in the treatment of liver disorders (5). By Ashe Laboratories, Ltd., 120 Victoria Street, London, S.W.1. 653,306.
- "ULTRAPONE"; for medicinal preparations (5). By Nor-Sun, Ltd., 160 Central Drive, Blackpool, Lancs. 653,447.
- "SPEKARD"; for medicated ointments (5). By William Percy Handley, Eidolon, Newchurch, Isle of Wight. 654,021.
- "THALISTATYL"; for pharmaceutical preparations and substances (5). By Herts Pharmaceuticals, Ltd., Bessemer Road, Welwyn Garden City, Herts. 654,442.
- "PELCO" in triangular shape; for photographic apparatus (9). By Photographic Engineering Laboratories Co., Ltd., Pelco Works, Brighton Road, Handcross, Sussex. 651,693.
- "TUDOR ROSE"; for combs, sponges, brushes included in this Class, and materials and non-electric instruments for cleaning purposes (21). By Rosedale Associated Manufacturers, Ltd., Central House, 34 Oxford Street, London, W.1. 649,201 (Associated).
- "FLEXICOMB"; for toilet brushes for use in both brushing and combing the hair (21). By Henderson Bros. & Co., Ltd., Wellington Road, London, E.10. B649,490.

(From "The Trade Marks Journal,"
December 31, 1947)

- "RENOSE"; for chemical products for use in industry and science (1). By Ciba, Ltd., 141 Klybeckstrasse, Basle, Switzerland. 654,428.
- "MENOLAN"; for toilet preparations (not medicated) for the hands (3). By A. S. Price & Co., Ltd., Reliance Works, 181 High Street, Blackheath, Staffs. 640,087.
- "SWANSDOWN" on label device; for sanitary towels (5). By A. de St. Dalmas & Co., Ltd., Dalma Works, Junior Street, Leicester. B636,643 (Associated).
- "LARBALESTIER JERSEY 1813" and distinctive design including bow and arrow (numerals "1813" disclaimed) (to be used only in relation to goods manufactured in Jersey); for perfumes (3). By Philippe Larbalestier, 2 Charing Cross, Jersey, Channel Islands. B648,661 (Associated).

1797-1947

We have been greatly touched by the very large number of letters from all over the world in connection with the recently published History of our firm, and by the generous expressions of goodwill and appreciation of the services we have been privileged to perform throughout the year. We hope we may continue to deserve the confidence of all with whom we have direct or indirect contacts, and, at the beginning of 1948, we wish all our many friends everywhere

A VERY HAPPY NEW YEAR.



HOWARDS OF ILFORD

manufacturers of fine chemicals since

1797

ALL BRITISH PRODUCTS

Progallin A Progallin P

REGD.

These are the two representatives of Alkyl Gallates, extensively tested for years by teams of famous research workers and finally approved as the most

reliable and harmless Antioxidants

**1 FOR THE
PREVENTION OF
AUTOXIDATIVE
RANCIDITY IN
VEGETABLE &
ANIMAL
FATS AND OILS**

**2 FOR THE
PROTECTION OF
ESSENTIAL OILS
& AROMATIC
COMPOUNDS
FROM
AUTOXIDATION**

**3 FOR THE INHIBITION
OF PEROXIDE FORMATION
IN ETHERS**

References

*Chemistry and
Industry*, 1944, 67.

*Chemistry and
Industry*, 1944, 127.

*Quarterly Journal of
Pharmacy and Phar-
macology*, 1943, 232.

*Pharmaceutical
Journal*, 1943, 58.

*The American
Perfumer*, 1943, 163.

*Journal of the Society
of Chemical Industry*,
1944, 107.

*Journal of the Society
of Chemical Industry*,
1944, 8.

Oil and Soap,
1942, 144.

Oil and Soap,
1945, 81.

Nature, 1944, 824.

Write us for testing samples and further particulars

**NIPA LABORATORIES
LTD., TREFOREST
TRADING ESTATE,
Nr. CARDIFF**

**MANUFACTURERS
OF PRESERVATIVES
ANTISEPTICS AND
ANTIOXIDANTS**

Tel.: Taffs Well 128

**SOLE DISTRIBUTORS
FOR THE
UNITED KINGDOM**
**P. SAMUELSON
& CO.**

*Africa House, 44-46
Leadenhall Street,
London, E.C.3.*

Tel.: Royal 2117-8



INDUSTRIAL and FINE CHEMICALS

*including
HYDROGEN PEROXIDE*

Benzoyl Peroxide
Calcium Peroxide
Magnesium Peroxide
Sodium Perborate
Sodium Percarbonate
Titanium Dioxide
Urea Hydrogen Peroxide
Zinc Peroxide

LAPORTE

B. LAPORTE Ltd. LUTON Phone: LUTON 4390
Grams: Laporte Luton

A. R. PARKINSON
II BENTINCK STREET, LONDON, W.I.

DRUGS, PHARMACEUTICAL
CHEMICALS, ETC.

**ASPIRIN B.P. NEEDLE CRYSTALS
IN STOCK** - I cwt. KEGS

Telephone - WELBECK 2186
Telegrams - ARPRA, WESDO, LONDON

Pure White
TIN OXIDE
(STANNIC)

Pure Powdered
TIN METAL
for medicinal purposes

Manufactured by:—
KEELING & WALKER, LTD.

STOKE-ON-TRENT

Telephone: Stoke-on-Trent 4136/7



WE INVITE
YOUR ENQUIRY

CHEMICALS & DRUGS

PHARMACEUTICAL & TECHNICAL

ESSENTIAL OILS

FLORAL AND FANCY BOUQUETS FOR
POWDERS • CREAMS • COSMETICS

MEDICAL PROPRIETARIES

KADAMYSIN. Universally prescribed by physicians for Bronchial Asthma. One Injection effective in 60 to 90 Seconds. Boxes of 10 x 1 c.c. AMPOULES.

DEGALAN. The different remedy for Hæmorrhoids ensures relief from pain, checks bleeding, reduces inflammation. SUPPOSITORIES : in boxes of 10. OINTMENT : in tubes with Rectal pipe.

CHAS.

ZIMMERMANN

& COMPANY LIMITED

9 & 10 ST. MARY-AT-HILL, LONDON, E.C.3

Telephone :
MANSion House 6005
(Four lines)

Telegrams :
"ACIDOLAN, BILGATE
LONDON"



"Eagle" Brand Chemicals

B.P.
PRECIPITATED
SULPHUR

PHOTOGRAPHIC
H Y P O

AND
S U L P H I T E
—CRYSTALS and ANHYDROUS—

EPSOM SALTS
GLAUBER SALTS

ARSENICATE OF LEAD

Enquiries Invited

JOHN RILEY & SONS, LTD

Chemical Manufacturers

HAPTON near BURNLEY

Telegrams
"Rileys Hapton"

Telephone
Padham 290/1



This machine, besides sifting and mixing powder to perfection, incorporates an automatic spraye for either replacing lost moisture, adding flavour or perfume, or securing uniform tinting. It does its job efficiently, rapidly and economically.

**GARDNER'S Patent 'RAPID'
SIFTER, MIXER & ESSENCE SPRAYE**

WM. GARDNER & SONS (GLOUCESTER) LTD
GLOUCESTER Telephone: 2288 (3 lines)
LONDON: 19 Grays Inn Chambers, 20 High Holborn, W.C.1
Telephone: Chancery 7347.

Manufacturers of **TANNIC ACID** (Bulk Supplies Only)
ALL QUALITIES

THE BRITISH DYEWOOD COMPANY LTD.
19 St. VINCENT PLACE, GLASGOW, C.1

Telephone: CENTRAL 4425

Telegrams: DYEWOOD

BURNSIDE'S EUCALYPTUS OILS

Distilled in Australia by the largest distillers and refiners of Eucalyptus Oils in the world.—W. K. BURNSIDE, PTY., LTD., MELBOURNE, AUSTRALIA

80/85% B.P.
Oil Euc. Dives 40/45%
Oil Euc. Citriodora

70/75% B.P.
Piperitone 90/95%
Oil Euc. Phellandrea

.... Phellandrene

UNIFORMITY OF QUALITY CONSISTENCY OF ODOUR

Agents for U.K.: **WILSON & MANSFIELD, LTD., 15 Philpot Lane, London, E.C.3**

Phone: MANSION HOUSE 9264-5-6

(WHOLESALE ONLY)

'Grams: WYFIELD, LONDON



REGD. TRADE MARK

FINE CHEMICALS AND PHARMACEUTICALS

Made by

PHARMACEUTICAL LABORATORIES GEIGY LTD.
National Buildings, Parsonage,
MANCHESTER, 3

LENNONS
The Leading Chemists in
South Africa
and Rhodesia

—O—

Established in all important centres for many years.

Wholesale and Retail Chemists & Druggists.
 Modernly equipped for Manufacturing and Marketing.

★If you are seeking reputable Representatives or desire information, write to:—

LENNON LIMITED

Head Office: P.O. BOX 8389

JOHANNESBURG, SOUTH AFRICA.

or London Agents:—

CAMPBELL BROS., CARTER & CO., LTD.,
 ("L" Dept.), Stafford House, (4th Floor),
 14/20, King William Street, London, E.C.4

Telephone: MANSion House 0761

ANISEED
 ALOES
 ARECA NUTS
 BALSAMS
 FENUGREEK
 JUNIPER BERRIES
 LIQUORICE ROOT
 LIQUORICE Juice, Sticks & Blocks
 ORANGE PEEL CURACAO
 SENEGA ROOT

and all other Botanicals

JOHN KELLYS (LONDON) LTD.

24 OLD BROAD STREET, LONDON, E.C.2.
 Telephone: LONDon Wall 4882, 6585, 6586
 Telegrams: "Ergotine, Stock, London."

BRAZILIAN and CHINESE

MENTHOL
CRYSTALS

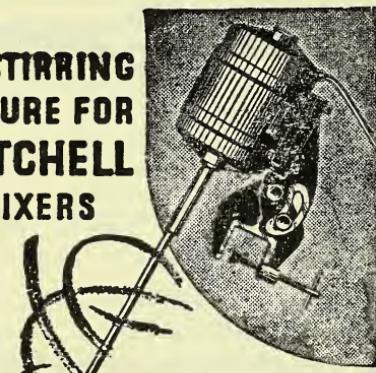
REFINED CHINESE

CAMPHORTABLETS $\frac{1}{2}$ oz. and $\frac{1}{2}$ oz.
SLABS and POWDERGUMS, SHELLAC, WAXES,
DRUGS, CHEMICALS**ERNEST M. SINGER**

5 WHITTINGTON AVE., E.C.3

Telephone: MAN. 6040-6666

IMPORT — EXPORT

**A STIRRING
FUTURE FOR
MITCHELL
MIXERS**

There is a huge leeway to make up in every industry. Let Mitchell Mixers take care of your mixing problems and give you better yields in less time.

MITCHELL
RAPID MIXING &
STIRRING UNITS

L.A. MITCHELL LIMITED
7. PETER STREET, MANCHESTER, 2

Telephone: BLAckfriars 7224 (3 lines).

RELY UPON

All prepared and standardised under direct personal control

R. GRAESSER LTD.

The Chemical Works, Sandycroft, nr. Chester

GUM TRAGACANTH**GUM KARAYA**
WHOLE AND POWDERED**M. HAMBURGER & SONS**
DIRECT IMPORTERSCeylon House
EASTCHEAP, LONDON, E.C.3
Telephone: Mansion House 4139

**TABLET
TUBES**
HOME & EXPORT BUYERS SUPPLIED

ENQUIRIES TO
GLASS CONTAINER CO.
21 HAYES LANE • KENLEY • SURREY

Telephone: UPLANDS 8119
Works: 25-27 MERSEY STREET • LIVERPOOL 1



NORTH BRITISH

LOCAL POINT FOR RUBBER PRODUCTS

Air Cushions, Hot Water Bottles, Nursing Aprons, Water Beds, Cot Sheets, Combs and many other high quality NORTH BRITISH Rubber Products in steady demand are obtainable through your wholesaler.

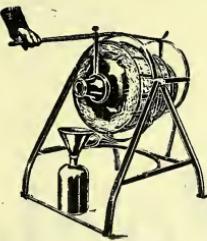
E NORTH BRITISH RUBBER COMPANY LIMITED EDINBURGH & LONDON

CARBOY STAND AND TILTER

For drawing off small quantities of Acids from Carboys.

The Carboy can be tipped to any position with one hand.

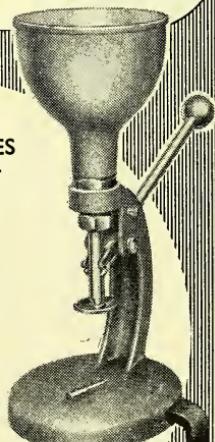
LEIGH & SONS
METAL WORKS
Orlando St., BOLTON



EMULSIFIERS QP

HAND, BELT OR
MOTOR DRIVEN

FOR
SMALL TEST MIXTURES
OR LARGE OUTPUT



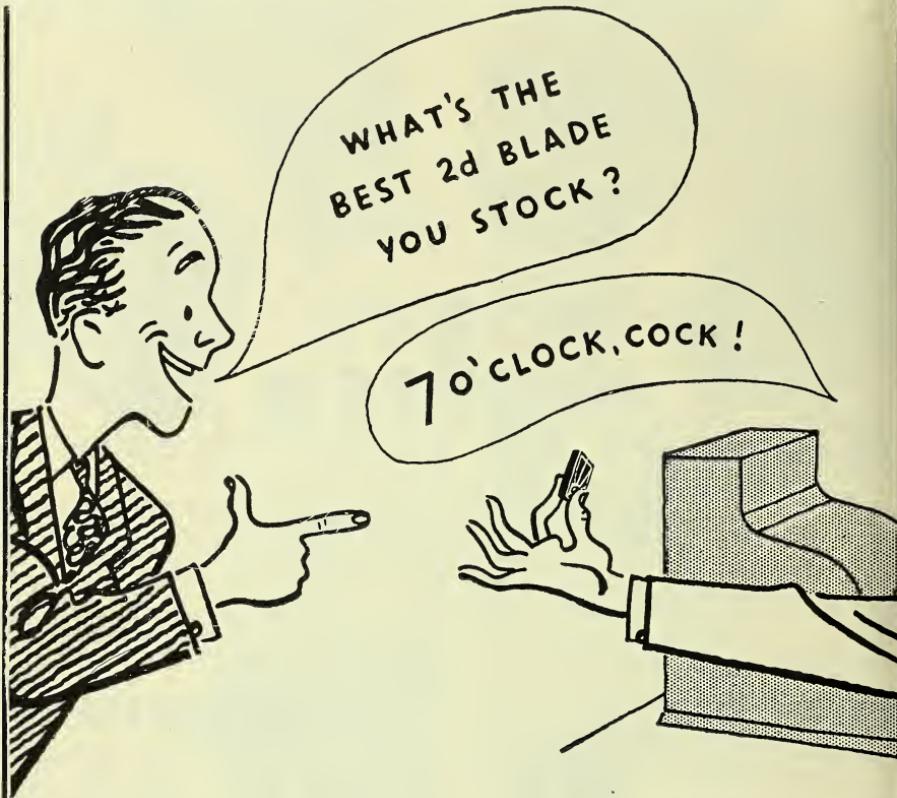
The hardest and most reliable emulsifier - all working parts non-corrodible. Gives good, stable emulsification of pure liquids or small solids. With two jets, post free U.K. £5.5.0. ex-stock

Easy to use Easy to clean

CORKS! STOPPERS, ETC.

C. OLLEY & SONS LTD.
CAMPERDOWN STREET
LONDON, E.I
EST. 1844

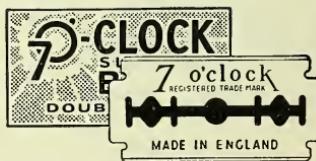
ORMEROD ENGINEERS LTD.
SHAWCLOUGH • ROCHDALE



This new 7 o'CLOCK advertising campaign is certainly getting itself talked about—and causing a big demand for 7 o'CLOCK blades. And, once they've tried them, men soon come to realise how much better 7 o'CLOCK are than any other twopenny blades on the market. You can't go wrong if you recommend 7 o'CLOCK blades to your customers.

7 o'clock

BLADES



THE BEST 2^d BLADE

Why you should Sell

WANDER

BRAND

MALT & COD LIVER OIL



OF UNSURPASSED QUALITY

THE supreme pharmaceutical excellence of Wander Brand Malt Extract and Cod Liver Oil, the outstanding preparation of its kind, has for many years been widely recognised by physicians.

The Cod Liver Oil used is the best obtainable and the malt extract is specially prepared by A. Wander, Ltd., who are probably the world's largest producers of medicinal malt extract and are leading authorities upon its manufacture. These two ingredients are combined in the proportions most generally required by the medical profession.

Both in its attractive appearance and toffee-like flavour, Wander Brand Malt Extract and Cod Liver Oil is readily acceptable to children and adults. In every respect it is a product which the pharmacist can recommend with the fullest confidence.

On the P.A.T.A.

Wholesale Prices: 1 lb. Jars 18/9; 2 lb. Jars 35/6

Exempt from Purchase Tax

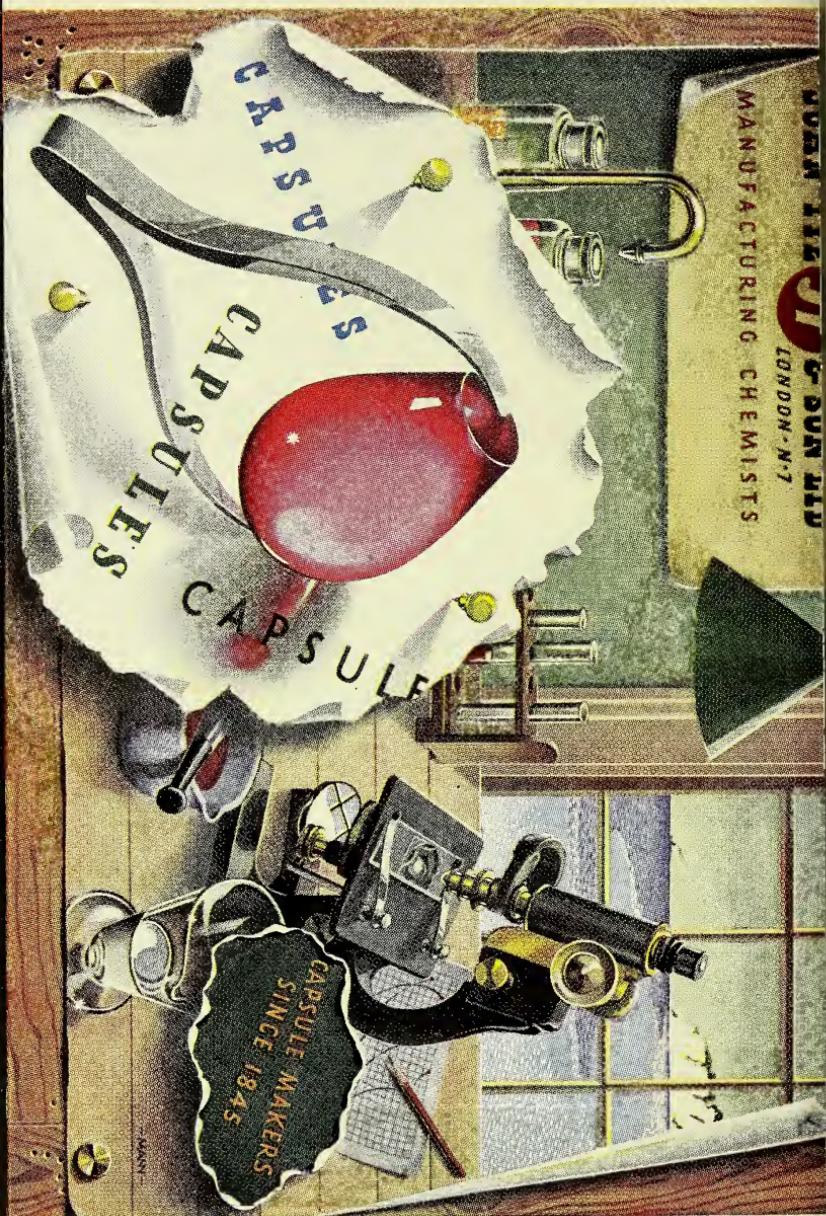
Retail Prices: 1 lb. Jars 2/-; 2 lb. Jars 3/10/-

For further details write to:

A. WANDER, LTD.

5 & 7 Albert Hall Mansions

London, S.W.7



CAPSU

APIOL

CARBON
TETRACHLORIDE

COPAIBA

EMETINE BISMUTH
IODIDE

EXT. FILICIS

HEXYLRESORCINO

OL. CHENOPODII

OL. SANTALI

CAPS. VITAMINORU
(N.W.)

WHEAT GERM OIL

YEAST

LIVER EXTRACT

SANTONIN

& ALL STANDARD
LINES

SPECIALTIES:—"TYEVITE" VITAMIN CAPSULES—"TYEBRAND" HALIBUT LIVER OIL

"TYEBRAND" COD LIVER OIL—"TYEBRAND" IODINE PENCILS

CRUSHABLE INHALANT CAPSULES ("TYEBRAND")—AMYL NITRITE—AROMATIC AMMONIA

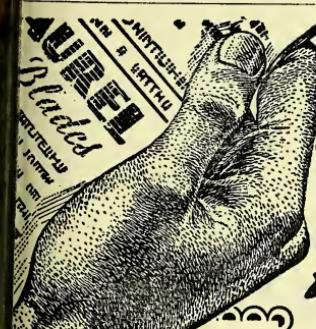
TRICHLORETHYLENE—CHLOROFORM—"TYEBRETTES"



SURGICAL DRESSINGS

by
CARUS
OF DARWEN

HODDLESDEN MILL • ATLANTIC MILL • HAMPDEN MILL • SPOTLAND BRIDGE MILL



DISPLAY PROMINENTLY

Attractive counter display cartons are supplied with Laurel Blades. Just the thing for quick sales.



READ BETWEEN THE LINES OF THE NEW **LAUREL** *Advertising Campaign*

Laurel Blades are nationally advertised in all the main daily and Sunday papers, creating a demand for you to supply. Our prices are popular 2 for 3½d. for ordinary type blades of perfect quality in a handy 4 for 7d. pack. We make blades for every kind of razor including ladies.

An all-British Product.

BLADES FOR EVERY RAZOR



Send for illustrated Price List to

G - H - LAWRENCE - DEPT 12 - SHEFFIELD 3 - SCP.7



IT'S THE BEST
TAMPON
VALUE
ON THE MARKET!

ITS
QUICK SALES
MEAN
QUICK PROFITS!



IT'S WELL ADVERTISED
- AND DISPLAY
MATERIAL WILL BE
AVAILABLE SOON!



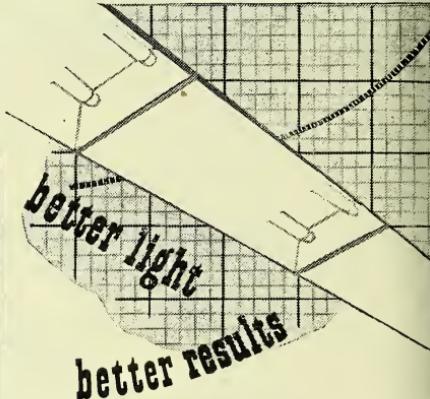
it's



holly-Pax
FROM HOLLYWOOD
MODERN INSERTION TYPE
SANITARY PROTECTION

★ Holly-pax appeals to women because of its excellent value—quite apart from its great advantages and amazing compactness. It's equally attractive to stockists because it sells quickly, meaning quick profits.

Sole Distributors :
FASSETT & JOHNSON LTD.
86 Clerkenwell Road, London, E.C.1

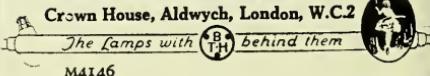


IN industry and business throughout the country the value of correct lighting as an important contributory factor in increasing efficiency is recognised.

The solution to lighting problems, or an investigation to ensure that present lighting fulfills its purpose, can be obtained by writing to BTH Lighting Advisory Service, Bridle Path, Watford. Phone: Watford 7701/8.

MAZDA
LAMPS
&
MAZDALUX
FITTINGS

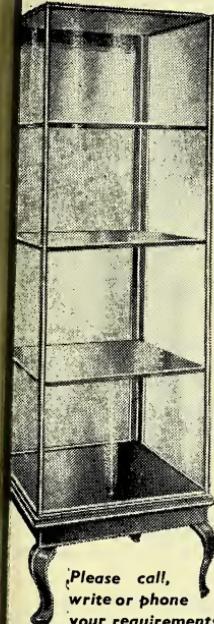
The British Thomson-Houston Co. Ltd.
Crown House, Aldwych, London, W.C.2



Please
write
your
name

ANGLI

PAD
MAD
SOLE

now available

Please call,
write or phone
your requirements

No. SC 102 Polished Mahogany Tall-Boy Centre Showcase. A standard type of showcase that will give an excellent and smart display for any class of merchandise. Glazed clear glass on all sides and enclosed at back by hinged door. Interior fitted three rows of plate glass shelves on adjustable lacquered iron tapped bars and brackets. Bottom polished light colour. 6' high, 22½" wide, 22½" deep. Mounted on shaped leg Stand. Price £37-10-0



(No connection with Wm. Potter & Sons Ltd.,
formerly of 160 Aldersgate Street, E.C. I.)

**97-99, ST. JOHN STREET, CLERKENWELL,
LONDON, E.C. I.** Telephone: CLERKENWELL 2171/2

**ANGLIAN SURGICAL
DRESSINGS**

**SANITARY
TOWELS**

NORVEX

SPECIAL OFFER

FIRST AID CASE IN HEAVY BLACK METAL
FOR UNDER 50 PERSONS 16/6 ea.

WRITE CROSSKILLS' OF NORWICH

PHONE
20954

PARAGON RAZOR BLADES



No. 4. ACORN



No. 2. SINGLE EDGE



No. 3. STROPPING

SOLE MANUFACTURERS—

**THE PARAGON RAZOR CO.
NURSERY WORKS, ELDON STREET, SHEFFIELD, 1**

Start with a smooth finish—

Price 3½d. each
INCL. TAX
Obtainable only from Retailers
JAMES NEILL & CO. (SHEFFIELD) LTD.

E25

QUALITY & QUANTITY

Satino

TOILET PAPERS

Rolls 1/3. Pkts. 1/1.

Super Soft

SATINO
TOILET PAPER

The Paper Specialists :
FREDER BROTHERS PAPER MILLS
BRIMSDOWN, ENFIELD, MIDDLESEX

The New
'UNIVERSUM'
Model II
35 mm. ENLARGER

GNOME

ALTERNATIVE LAMPHOUSE TOP AVAILABLE FOR D.C.

DOUBLE OPTICAL CONDENSERS.

PORTABLE CASE SIZE 15" x 7" x 11".

WEIGHT 16 lb. approx.

Incorporates all the unique features of the earlier "Universum" together with the following improvements :—

- Inclined column giving increased rigidity.
- Friction drive to raise and lower lamphouse with built in "one hand" quick release.

Table Model £19-17-6 Portable Model £22-3-11

Price includes Purchase Tax but not lens. Ask your dealer for fully illustrated catalogue or write direct to manufacturers.

Gnome Photographic Products Ltd.
354 Caerphilly Road, Whitchurch, Cardiff

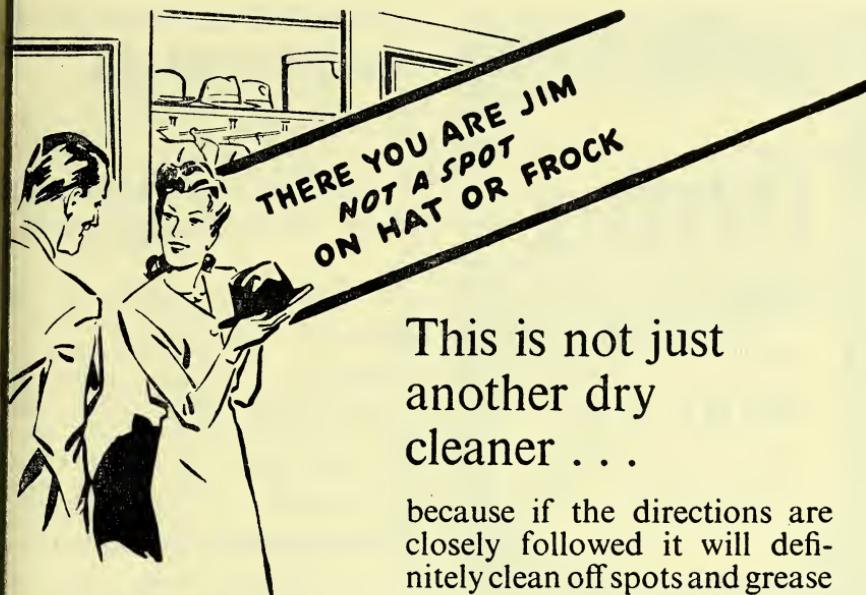
(It's no gamble to stock
TOWN TALK

the Silver Polish which ensures regular customers, to whom your other wares will also appeal

ORDER DIRECT OR FROM

MANCHESTER : D. Mawdsley & Co. NEWCASTLE-ON-TYNE : Wilkinson & Simpson
James Woolley Sons & Co., Ltd. LTD. Brooks & Warburton, Ltd.
LEEDS : Goodalls (Leeds), Ltd. Ltd. May, Roberts & Co. Ltd. Butler & Crispe
LEICESTER : E. H. Butler & Son. LIVERPOOL : Ayrton, Saunders & Co. Ltd.

THE TOWN TALK POLISH CO., Manchester, 11



This is not just
another dry
cleaner . . .

because if the directions are closely followed it will definitely clean off spots and grease marks, tar, pitch and paint etc. . from the coarsest to the finest of fabrics. It is a NON-inflammable Product.

A
**READY
SELLER**

{ **Scrubbs**
DRY CLEANER



By the way—we still offer you 2/- per dozen empty Scrubbs' Cloudy Ammonia Bottles. A Post Card to the address below and we shall be pleased to collect in London and district. To those in the provinces we shall be happy to pay carriage in addition to the above offer.

**CHEMICAL & NATURAL PRODUCTS LIMITED, ■■■■■
WIMBLEDON FACTORY ESTATE, LONDON S.W.19.**

Tintex

THE WORLD'S
LARGEST-SELLING
HOME DYE

CHEMISTS' AGENTS:—
Thos. Christy & Co., Ltd.
Farnham, Surrey.

HATCHWELL
MIRACLE
MIXTURE has saved the
lives of hundreds of dogs

★ *The
Sensible
Chemist
knows that
Pet owners
are worth
catering for*

Supplies the finest
remedies, well ad-
vertised, and show
more profit than
any other similar
lines. We do not
advertise our
Wholesale Price.
You must write to us
if you are interested.

THE HATCHWELL COMPANY LTD
BYRON STREET, PRESTON, LANCASHIRE

★
Stergene
SCIENCE IN CLEANSING
NOW 2/2^D
PER BOTTLE
(RETAIL PRICE)

The makers of Stergene are sorry to announce that they must raise the retail selling price from 2/- to 2/2 per bottle, and increase the price to retailers by 2/- per dozen. This rise is due entirely to the increased cost of raw materials.

We regret the necessity for this alteration and assure our friends in the Trade of our continued co-operation in every possible way.

DOMESTOS LIMITED
NEWCASTLE UPON TYNE, 6

We offer for Export . . .

- HISTIDINE MONOCHLORHYDRATE
- HOMATROPOINE METHYLBRONIDE
- OESTRONE
- PAPAVERINE HYDROCHLORIDE

Box No. 2/230



D & P
for the Chemist
Prompt Service
Usual Discount.

WALKER PHOTOGRAPHIC (SUPA) LTD
STRATFORD - UPON - AVON



Cheer-i-o
SAFETY
RAZOR BLADES



Sole Makers . . .

The Wafer Razor Co. Ltd.
20 Hill Street, Sheffield, 2

PHONE 51824



SOFTEX
Inter-leaved
TOILET TISSUE

Extra thin, pure strong quality

Softex Toilet ROLLS also available

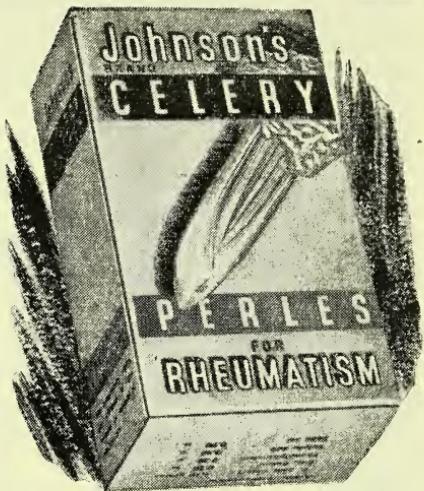
SWAN MILL PRODUCT, LONDON, W. 1.

**Hands across
the counter**



‘Dettol’ Ointment is both richly emollient and actively antiseptic. It may be confidently advised for preserving and protecting hands against the roughening rigours of cold, or for soothing and keeping germ-free hands which may be already painfully cracked and chapped.

‘DETTOL’ OINTMENT
BRAND



We have no hesitation in stating that this is the most attractively packed line in its class on the market, and the product itself achieves all that is claimed for it—hence the steady repeats and recommendations from satisfied customers.

**JOHNSON'S CELERY PERLES
RELIEVE RHEUMATISM!**



It is a great pity we are unable to show in this illustration the packing of JOHNSON'S CELERY PERLES in the four colours used in the printing of the carton.

LOCAL & NATIONAL
ADVERTISING IS
ABOUT TO COMMENCE

TRADE PRICE 18/- PER DOZ.
Plus 33/4% P. Tax. Retail 3/3 inc. tax.

*Order from your usual wholesaler
or direct from manufacturers :*

**CAL-MA-VITE
LABORATORIES LIMITED
NORTH ST., HORSHAM, SUSSEX**

AND SO BY THEIR
STANDARD OF
PERFECTION,
SO SHALL THEY
BE KNOWN AS . . .

LIKRO - MENTHS
LIQUORICE AND MENTHOL PELLETS

★ AT THEIR VERY BEST

7d AND 1/2
INCLUDING TAX

EXHIBITORS, CANADIAN
INTERNATIONAL FAIR
1948

W. J. DAVIES (WESTERN) LTD.
MAINDY WORKS, MAINDY, CARDIFF

**NOVADENT
DENTURE WAFER**

which is infallible in keeping Dentures
firmly and comfortably in position is

widely advertised

and with *regular* insertions in the

NEWS CHRONICLE
(Northern Edition)

The Novadent Wafer is not a paste, powder or disc, but a complete all-over interline which fits any Denture. Retails at 4/6—less 33%—3½% 7 days' trade terms. Please write for full details to :—

RENTEX LTD BELLE VUE BRADFORD

HARMAX LIMITED
REVISED PURCHASE TAX

*The new prices of our lines
are*

DIUROMIL
4/6 plus 1/1½ tax

RALGEX
3/6 plus 10½d. tax

*Customers are requested to note that our
prices have now been removed to our works.*

OUR SOLE ADDRESS IS NOW
THE ORGAN WORKS
OLD HILL
CHISLEHURST, KENT
Telephone: Imperial 1287



with high
organically combined sulphur content.

Other Asmidar Specialities include:

GLUTONINE (Asmidar)

Strychnine Gluconate — Gives prolonged
action with decreased toxicity. Boxes 8 x 1
c.c. ampoules 0.002, 0.0035, 0.005 gm.

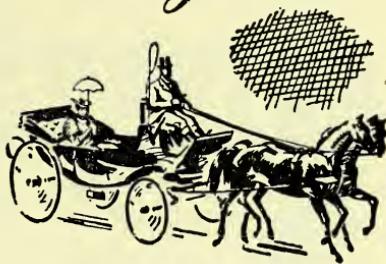
ASMIDAR ANTI-RHEUMATIC Ointment

Non Greasy, Non Staining Analgesic
Size ½ oz. Tubes.

Also—Piperazine (Asmidar) and Sulphazol
Cream (Asmidar). Literature and informa-
tion gladly supplied on request.

AS MIDAR LTD
16 DOUGLAS STREET, LONDON, S.W.1
Telephone: VICTORIA 5556

Carriage Trade



“The quality” were once
your important customers.
Now it is the people. All
classes equally feel the
effects of mineral deficiency.
All need an adequate
mineral supplement to
offset years of rationing.

You can give no better
advice than, “Take
Calfos”. Calfos replaces
depleted mineral reserves.
For every expectant and
nursing mother Calfos
provides the natural
minerals she needs to bear
and rear a healthy child,
without loss or damage to
her teeth and bone.

For children of all ages
Calfos is pleasant and easy
to take.

Please write for special Trade Terms

CALFOS

Natural Mineral TABLETS

CALFOS LIMITED · IMPERIAL HOUSE
KINGSWAY · LONDON · W.C.2

C.F.

P.A.T.A.

Little-known Limericks—No. 19 (Reprinted)

A chemist in business in Fife,
One day remarked to his wife
"Now we're on Brand's rota,
We're sure of our quota,
And our goodwill is safe for our life

When supplies are short there is only one fair thing to do—distribute goods on a strict quota basis. This fair division of the limited supplies is Brand's policy. No matter where you are, or whether your business is large or small, you can be sure of getting your share of Brand's products.

Brand & Co. Ltd., London

MORE PROFIT PER BACKACHE!

WELL-TRIED
REMEDY

NEW
NAME



Pharmacists who sell Johnson's Back Plasters are assured of a profit of more than 10d. every time one is used. Johnson's Back Plasters are warm, comfortable and flannel-backed. They give support and quick relief in cases of Lumbago, Sciatica, Rheumatism, Fibrositis. Pleurisy and all forms of muscular aches and pains. Striking Counter Cards are available to assist sales.

Trade:- 20/- a doz., plus
6/8 Tax — 26/8 dozen.
Minimum Retail:- 3/- each
Purchase Tax included.

MANUFACTURED IN ENGLAND BY
Johnson & Johnson
107, BRITAIN LTD.
SLOUGH & GARGRAVE

For TABLETS to your
own FORMULA any size
up to $\frac{1}{2}$ inch in diameter

LARGE or SMALL
QUANTITIES

★ HOME or EXPORT
ENQUIRIES INVITED



TELL PRODUC

22-24, ROSEMONT RD
LONDON, N.W.6

TELEPHONE: HAMPSTEAD 9

*Acclaimed by the world's
leading hair artists!*

CARLOU



HAIR OIL BLEACH

is rich and gentle in action, conditions the hair and lightening it with an attractive lustre and sheen.

Convenient, easy to use, fast in action.

There is no smarting of the scalp . . .

30/- PER DOZEN

37/6 DOZEN P.T.

Retailing at 6/6 inc.

Available in three basic shades . . .

NO. 1. BLONDE FOR GOLDEN HAIR

NO. 2. ASH BLONDE

NO. 3. RED FOR AUBURN HAIR

Sole distributors to chemists :

NET DISTRIBUTING CO. LTD. 140 PARK LANE, LONDON, W.I.

E.M. 7

**The Symbol of
Fine Service**

NO IDLE STATEMENT
but a fact proven by past experience to our clients, both old and new. We ensure, as always, a quick and comprehensive service, with a fair distribution of supplies. Our advice and service is always at your disposal and we cordially invite your inquiries.

Ferryman
OF SOUTHPHAMPTON

Suppliers of Proprietaries, Drugs and Alkalicals, Sundries and Packed Pharmaceuticals.

HERBERT FERRYMAN, LTD.,
COBDEN BRIDGE, SOUTHPHAMPTON

Telegrams: Ferryman Southampton Telephone: 75641 (5 lines)

MALTOBAR
is available in
7½ D BARS

NO POINTS



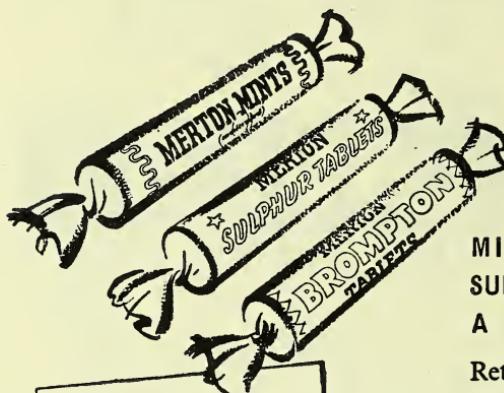
TASTES
GOOD —
LOOKS GOOD
Each ounce contains
2,000 i.u. vitamin D

Enquiries to the Manufacturers :
AFFINED BASIC CHEMICALS LTD.

EMPIRE WORKS, DESBOROUGH ROAD,

HIGH WYCOMBE, BUCKS.

Telephone : High Wycombe 2266-7-8



Order through your
wholesaler or write for
trade terms

THESE THREE

MERTON

MINTS · BROMPTON TABLETS
SULPHUR TABLETS · COMMERCIAL
A READY SALE EVERYWHERE

Retail at 6d. Good profits. Pack
in new, attractive counter display
outers containing 3 doz.



VERVA LTD

HIGH PATH, MERTON, LONDON, S.W.



Heading for
Speedier Sales!

News! Increased advertising
is spreading the story of
BIOCRIN—the proved
Shampoo-Reconditioner.
Through more magazines more
women are learning about this
health-and-beauty treatment.

*A Large Profit Margin and
Regular Clientele For You!*

Retail Sizes 18/6 and 30/- per dozen (plus
50% tax) retailing at 3/3 and 5/5 each

Biocriin pomade shampoo

A product of Vine's Biocriin Ltd., London, W.2.

*There is an
Ever Increasing Demand
for*

**Dr. KNOX'S
RAPID COLD
CURE**

EFFICACIOUS · · · DIFFERENT
PROFITABLE

8-oz. bottles 1/8 Retail inc. Tax
10/- per doz.

3 doz. @ 9/6 12 doz. @ 9/-

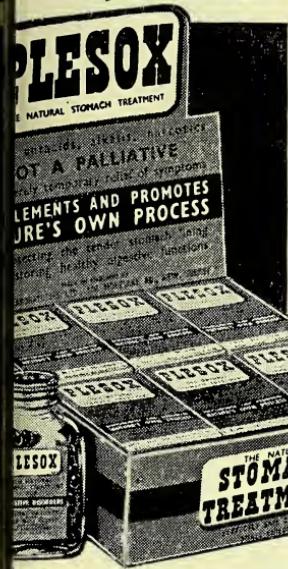
R.A.T.A.

SHOW CARDS AVAILABLE

JOHN KNOX

(STOKE-ON-TRENT) LTD. (MIDLAND) LTD.
Jaynox Works, King St., 36/38 Dean St.,
FENTON, Stoke-on-Trent. Birmingham, 5.

COMMEND



PLESOX

The DIFFERENT
STOMACH TREATMENT
WITH
NATION-WIDE ADVERTISING
ATTRACTIVE WINDOW DISPLAY
RECOMMENDATION
OF
SATISFIED USERS

ARRESTING WINDOW SEALS
CONVINCING LITERATURE

50% PROFIT ON OUTLAY

A large proportion of all stomach sufferers, and most long-standing cases do not respond well to alkaline or antacid products and call for A SAFE RELIABLE REMEDY ON SOME QUITE DIFFERENT PRINCIPLE. As THEY NEED IT, SOONER OR LATER—whether in your shop or elsewhere—SUFFERERS WILL DISCOVER PLESOX—and become satisfied users.

WHY LOSE such grateful customers with their constant repeat orders and recommendations to others.

Order now at 23/- mixed display cartons (8 small 4 medium)
SHOWING 50% PROFIT ON OUTLAY.

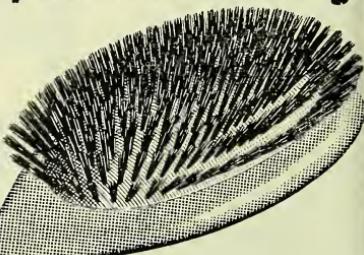
Retail Prices : 2/3d plus 3d P. Tax. 4/1½ plus 5½d P. Tax. 6/9d plus 9d P. Tax.

Distributors for GREAT BRITAIN: SPLENDOR LIMITED, NOTTINGHAM.

MANUFACTURED BY
2 PARKSIDE, RICHMOND, SURREY

14,000,000 people every month are being

Good brushes
are stamped



Hugex

and that the prices of HYG
rubber-cushioned hairbrushes are
17/6 (Nylon) 12/6 (Bristle) 6/4 (V)
Shaving Brushes from 5/- to 5/-
Distributed fairly through us
wholesale channels.

HENDERSON BROS. & CO. LTD., Burwell Road, London, E.10. Phone: Leytonstone 5



J. Allen & Company

Makers of fine Latex Goods :
RUBBER GLOVES · BABY PANTS
BOTTLE TEATS · SOOTHERS, etc.

J. ALLEN & COMPANY
CORINTH HOUSE, BATH ROAD, CHELTENHAM

'SEPTISOL'

for Diaper Rash

**NURSE
OINTME**



'SEPTISOL'

for Better Baby Bathing

**BABY
SOAP**



Give Profit and Prestige, and ensure Repeat De
Constant Advertising makes every Mother Fa
with these Products

'SEPTISOL' LIMIT
28 KENNEDY
MANCHESTER



Remarkable paternal resemblance, Ma'am"

COLLINS was in a very high class of business—he had bill-heads to name it. And madam was a very modern young woman in spite of the fact that she bought 400 coupons worth of clothes at a time. She was feeding young Percival on M.O.F., the latest idea in infant nutrition. Collins supplied it.

M.O.F. made its first appearance in Scotland in 1887: George Bernard Shaw was a rising young man of 31 and Wilbur Wright had not yet bothered to invent

the aeroplane.

In 1941 M.O.F., now modernised in line with the latest ideas on infant nutrition, came to England. This fortified infant cereal found an immediate welcome. Soon paediatricians, Infant Welfare Clinics and Health Visitors were recommending it. Mothers found it economical and easy to prepare. Infants liked it.

And little Percival? He grew up to be a very dutiful son and married a girl from Fulham.

SCOTT'S OF EDINBURGH



EDINBURGH

SEROCALCIN..

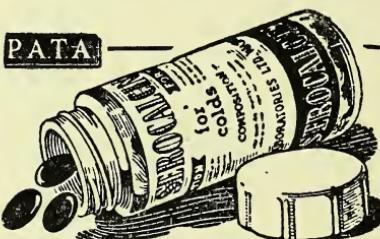
FOR THE PREVENTION
AND TREATMENT OF COLDS

The extensive advertising campaign in all sections of the press and the personal recommendation of regular users have created a constantly increasing demand for Serocalcin. Ample supplies are available now and chemists are urged to maintain adequate stocks.

Special Window Displays featuring Serocalcin are being arranged for the period January to March, and Chemists are asked to make sure that they have adequate stocks to meet the additional demand that these displays will create.

P.A.T.A.

Pharmacists are reminded that the sole selling agents for Serocalcin in the United Kingdom are J. C. Eno Ltd., Watford, Herts. (Watford 7761) to whom all orders and enquiries should be sent:



Serocalcin is packed in 20s and 60s.

HARWOODS LABORATORIES LTD., WATFORD, HERTS.



The CHEMIST AND DRUGGIST

SUPPLEMENT

28 ESSEX STREET, LONDON, W.C.2.

This Supplement is included in every copy of
Chemist & Druggist

JANUARY 17

1948

ailings restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. As normal press days are in abeyance advertisers are advised to send contributions as early as possible. Advertisements must be prepaid. Box Office Numbers 2/- extra.

encies advertised are restricted to persons or
payments excepted from the provisions of the
General Engagement Order, 1947.

SITUATIONS OPEN

36 words or less, 3d. for every additional word

RETAIL (HOME)

N. W. Capable manager required for busy branch in shopping centre. Well experienced in dispensing, counter service and display. Good and fine prospects for suitable energetic man. Box 2/467.

TANT, unqualified, male, for dispensing and counter, required at once. Permanency suitable. Terms, etc., Manager, Harold Miller, 18 High St., Cheltenham.

TANT, required, qualified or unqualified, male, No. N.H.I. No Sunday or holiday duties. Good living accommodation can be arranged. State usual particulars. Early Bunn, Ltd., 95 High St., Chelmsford, Essex.

TANT WANTED, male. A newly qualified man required for retailing and valuable experience in this line. Please apply with the usual particulars, toode Cosh & Penfold, Ltd., Lower Union St., 11.

HTON. Qualified manager required for brisk business in Brighton. Separate accommodation provided. Good salary; superannuation scheme. Enquiry. Full particulars to Box 2/618.

ISTS' ASSISTANTS (ladies) wanted for clerical in the N.H.I. checking bureau and stock-pricing departments. Apply National Pharmaceutical, 4-5 Queen Sq., W.C.1.

ENDER, 30 miles London. Accommodation available. Particulars, Dr. E. P. Edmonds, Aylesford, Maidstone.

OURNE. Qualified (unfurnished) accommodation and junior assistant required for good-class salary. Usual particulars. D. Marchant, Eastbourne.

PSHIRE. Experienced pharmacist required for branch in country town in Hampshire. Good working staff; modern fitted shop and well equipped. House available. Apply Box 2/622.

CLASS PHARMACY requires unqualified male assistant for counter work and dispensing; previous experience essential. Write full particulars, age, experience, etc., to J. Quibell, Ltd., 885 Finchley Rd., Golders Green, N.W.11.

OLKESTONE. Dispenser, qualified or unqualified (either sex), required for busy high-class pharmacy. Permanency for right person. State experience and salary required. F. G. Curtis & Son, 100 Folkestone Rd., Folkestone, Kent.

PHARMACIST required by well-known West chemists. Good hours and interesting post. Box 2/592.

INGTON SPA. Vacancy occurs for energetic, qualified, to manage branch shop. Apply, giving all particulars, to Hutton & Barrett, Ltd., 100 Leamington Spa.

LONDON CO-OPERATIVE CHEMISTS, LTD., have several attractive and congenial vacancies for branch manager pharmacists in various London suburbs. Apply Superintendent Chemist, 54 Maryland St., Stratford, E.15.

LONDON, W.9. Excellent opportunity occurs for qualified manager at a High Road pharmacy with busy dispensing department and very brisk counter. Must be able to control staff and supervise displays. Good living accommodation available. Permanent, with excellent future for the right man. Apply Box 2/471.

MIDDLESEX. Applications are invited from pharmacists for management of busy branch in residential district. Energetic ex-Service man would suit, for whom housing accommodation could be arranged. Apply Box 2/620.

NEAR ELEPHANT & CASTLE. Branch manager (qualified) needed for working-class pharmacy with heavy N.H.I. Experienced staff. Good salary, permanent employment. Apply Box 2/469.

NORTH KENT. Vacancy occurs shortly for a qualified manager for a busy branch pharmacy. Living accommodation will be arranged for successful applicant. Full particulars in first letter please, to Box 2/621.

NORTH LONDON. Energetic young manager (qualified) wanted for good-class pharmacy in Northern suburb. Living accommodation available. Apply Box 2/619.

NUNEATON, WARWICKSHIRE. Young, qualified pharmacist either sex required for dispensing. Pleasant working conditions, congenial staff. Permanency. House or recommended lodgings available. Please forward particulars, experience, H. L. Lester, Rexall Pharmacy, 2 Market Place, Nuneaton.

ORRIDGE & CO., Employment Agency, 184 Strand, W.C.2. Temple Bar 9212/3. Branches at Southampton and Birmingham. Enquiries invited from all employers seeking staff. Many pharmacists and unqualified assistants available for retail and wholesale. Representatives also requiring situations reasonable terms. Write to 184 Strand, W.C.2. for particulars.

PHARMACIST as manager to take charge branch in West London. Permanent progressive post. Living accommodation if desired. Apply "B," Box 2/466.

PHARMACISTS and unqualified assistants required for vacancies in South-East and South-West London. Permanent progressive positions. Superannuation scheme in operation. Apply in writing, stating age, experience and salary required to the Staff Manager, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis Street, Woolwich, S.E.18.

PHARMACIST required as relief manager for a group of pharmacies situated in S.E. and S.W. London. Excellent experience with a managerial position in due course. Give full particulars of previous experience, etc., to Goldthorpes, 10 Powis St., Woolwich, S.E.18. Woolwich 0403.

QUALIFIED MANAGER, Manchester, two miles from City centre, dispensing, display, etc. Salary £10 weekly. House part available if required. Apply with usual particulars. Box 2/590.

FIRST-CLASS SALESMEN REQUIRED

Applicants of first-class sales ability and actual selling experience with firm of repute—calling on Departmental Stores and Chemists' Wholesalers—are required for Maw's Sales Task Force.

AREAS :

- (1) Counties of Middlesex, Hertford and Essex, including London inner and suburban areas north of the River Thames.
- (2) Counties of Surrey, Sussex, and Kent, including London inner and outer suburbs south of the River Thames.
- (3) Counties of Lincoln, Nottingham, Derby, Leicester, Northampton, Oxford, Bucks, Beds, Huntingdon, Cambridge, Suffolk and Norfolk.
- (4) Wales and English Border Counties, including Warwickshire, Worcestershire, and Staffs.
- (5) Yorks, Lancs, Cumberland, Westmorland, Northumberland and Durham.

Applicants must meet the following requirements :

- Age 30—45 years. Qualified or unqualified.
 - Must be experienced car drivers.
 - Must reside permanently in centre of territory.
 - Must have highest credentials.
- Representatives are required as part of a specialist sales force to sell ten Nationally advertised quality lines in a range comprising:—
- MERITOR TOOTHBRUSHES, MERITOR D.D.T. ANTIMOTH, MENOPAX TABLETS, PERSOMNIA, MENOVO TABLETS AND DAMASKIN PREPARATIONS.**

TERMS :

- Excellent salary, good commission, reasonable expenses. Car supplied (subject to delay).
- Employment with firm of repute in the chemists' sundries business.
- Representatives will call on every qualified chemist and every departmental store on the area in question.
- Applications must be made in writing, enclosing photo or snap, with full particulars of experience, which will be treated in strict confidence.
- Only first-class men with the required qualifications should apply.

Applications should be addressed to :

SALES DIRECTOR,

S. MAW, SON & SONS LTD., Aldersgate House, Barnet, Herts.

QUALIFIED ASSISTANT required, male or female, West End pharmacy. Five-day week and no duty. Apply giving full particulars of age, experience and salary required, to Marsons, Ltd., Baker St., London, W.1.

QUALIFIED CHEMIST, either sex, required as chief assistant in central pharmacy; permanent progression; superannuation scheme in operation. Stating age, experience, and salary required, The Supt. Chemist, Co-operative Chemists, Kidderminster, Worcestershire.

QUALIFIED LADY or gentleman to manage branch, half-day or bank holiday duties. Good salary and bonus. Living accommodation will be available to suitable applicant if required. Full particulars to L. S. Royds, M.P.S., 57 Liverpool Higher Irlam, nr. Manchester.

QUALIFIED MANAGER required for branch in the East of London. Must be able to handle I. and brisk counter. Branch capable of development, and a high salary will be paid to a suitable applicant. Apply Box 2/468.

QUALIFIED MANAGER required for good-class dispensing business in residential area of Bleddon, Surrey. Permanent appointment. No accommodation. Good salary. Apply Box 2/469.

QUALIFIED MANAGER for branch in S.E. London; vacancy for unqualified assistant. Middle-class; easy hours. Please give full particulars of experience, and salary required. Apply Box 2/470.

QUALIFIED PHARMACIST required for branch, North London, dispensing and counter. Would newly-qualified or elderly gentleman. Applying usual particulars, to Jamieson, Chemists, Ltd., 54 Bounces Rd., Lr. Edmonton, Phone Tot. 2959.

QUALIFIED PHARMACIST wanted as assistant for shop. Superannuated, permanent, progression. 43-hour week. Newly decorated house available at early date. Applications, giving full particulars and stating wage required, not later than January, to General Manager, York Co-operative Society, Ltd., 22 Railway Street, York.

QUALIFIED CHEMISTS required to take charge of branches in Birmingham and Smethwick. Accommodation available. Apply Personnel Department, Birmingham Co-operative Society, Ltd., High Birmingham, 4.

DESLEY & DIST. IND. CO-OPERATIVE SOCIETY, 240 Elliott Street, Tyldesley. Qualified chemist and optician required as superintendent for new pharmacy to be opened in the near future. This permanent position with excellent opportunities advantages. Written applications to be forwarded to the office of the above Society, giving and experience, together with copies of two recent testimonials, not later than Saturday, January 31, 1948.

GENTLY REQUIRED, qualified lady or gentleman good permanent situation. Salary £12 to commence. Franks (Birmingham), Ltd., 394 Lodge Rd., Birmingham, 18.

HAVE several lucrative and interesting branch partnerships available for pharmacists in the London suburbs. Small company; sound prospects. Box 2/88.

EST HARTLEPOOL. Pharmacist capable of taking charge of a branch required. Suit newly qualified son. Exceptional opportunity for experience in good class store pharmacy. J.I.C. scale of wages. Particulars to Hartlepool's Co-operative Chemists, Ltd., West Hartlepool.

EST PRIVATE COMPANY requires pharmacist for branch to be opened shortly in beautiful rural area. It is suggested that employment begins immediately at headquarters shop to enable full understanding of policy before taking new position. Present staff references re working conditions available. Box 2/576.

WHOLESALE

A FINE OPPORTUNITY to represent Sharp & Dohme, Ltd., occurs in the Midlands area. Applications are invited from pharmacists who are keen to undertake the medical and pharmaceutical introduction of ethical specialities, mainly products of original research. Residence in the area essential. Remuneration by salary, commission and expenses. Brief personal details should be submitted, in confidence (with photograph), to Home Sales Manager, Sharp & Dohme, Ltd., Hoddesdon, Herts.

AMBITIONOUS young man as trainee under principal established firm, Bucks, marketing own brands. Chemists' sundries and proprietaries. View sales management with directorship and financial interest. Exceptional prospects. Write fully with photo, copies testimonials. Box 2/574.

AN EMINENT ethical pharmaceutical house requires first-class representatives, pharmaceutical qualifications preferred, but not essential. Only men with initiative and enthusiasm need apply. Salary according to experience, plus bonus. Areas vacant. Liverpool, Leeds, Sheffield, Birmingham, Newcastle. Please apply with full particulars to Sales Manager, Abbott Laboratories, Ltd., Wadsworth Rd., Perivale, Middlesex.

AN EXCELLENT OPPORTUNITY occurs for a young pharmacist to join the staff of an old established manufacturing laboratory in South London. Apply with full details in strict confidence to Box 2/563.

ANALYST. Assistant required for chief Analyst to chemical and pharmaceutical factory on outskirts of Stockport. Candidates should possess B.Sc. and preferably Ph.C. qualifications with experience in physical and chemical control of raw materials, intermediates and finished products. Applications will be treated in confidence and should be addressed to Managing Director, British Schering Manufacturing Laboratories, Ltd., 38 Fitzwarren St., Seedley, Salford, 6, Lancs.

APPLICATIONS are invited for the post of assistant to production manager in galenical factory, London, S.E. Qualifications required are Ph.C. or B.Ph., or a science degree. Age not over 30. Previous manufacturing experience would be of use. Commencing salary £600 per annum with opportunities for advancement after ability proved. Pensions scheme in force. Full details of personal history and experience should be sent to Box 2/596.

APPLICATIONS invited from representatives calling on fancy goods trade, all areas except Northumberland and Durham, to carry extra line, something entirely new. Commission basis. Box 2/513.

BURROUGHS WELLCOME & CO. have a number of vacancies of an executive nature, in connection with the marketing of their products, for qualified pharmacists, aged 30-35, or thereabouts, with good experience. These positions are pensionable and offer opportunities of advancement to the right persons—enthusiasm and an ability to overcome difficulties are essential. Apply in writing, giving fullest particulars of experience to date to the Manager, Marketing Division, Burroughs Wellcome & Co., 183-193 Euston Rd., London, N.W.1.

DAMANCY & CO., LTD., Harrow, Middlesex, require a qualified representative to live in the Midlands (preferably Birmingham area) and take over and develop existing clientele in the Midlands and East Anglia as far north as the Lancashire-Yorkshire border. Preference given to car owner. Salary, expenses and commission. Applications, in writing, will be treated as confidential.

DRUG COUNTER HANDS (male), with wet or dry experience, capable of unsupervised packing of poison substances, required by well-known firm of manufacturing chemists in the East London area. Five-day week. Staff canteen. Only persons not normally employed in coalmaking or agriculture may apply. This advertisement is inserted by permission of the Ministry of Labour and National Service under the Control of Engagement Order. Apply Box 2/556.

CIBA LABORATORIES, LTD., have a vacancy in their pharmaceutical manufacturing department for a male qualified assistant, preferably under 25 years of age. The work involves the large-scale manufacture of ampoules, ointments, tablets and other preparations, and it is desirable that applicants should have experience of, or be interested in, the application of mechanical methods for this purpose. The position is permanent and offers considerable scope for advancement. A contributory pensions scheme is in operation. Apply, with full particulars of education and career to date, to Works Manager, Ciba Laboratories, Ltd., Horsham.

EVANS MEDICAL SUPPLIES, LTD., have vacancies for representatives: (1) To call on pharmacists in Glasgow district; (2) To call on hospitals and the medical profession in Somerset, Gloucester, Dorset and Wilt. Applicants must possess pharmaceutical qualifications. Age not to exceed 35 years. Full details of experience, age, etc., to E.ans Med cal Supplies, Ltd., Home Medical Department, Speke, Liverpool, 19.

EVANS MEDICAL SUPPLIES, LTD., require two young pharmacists to work in their manufacturing laboratories. Applications, giving full details of qualifications and experience, should be sent to The Manager, Evans Pharmaceutical Laboratories, 29 Fleet Street, Liverpool, 1.

EXPERIENCED export manager required for City office of essential oils, drugs and chemical manufacturers. Good salary, commission and participation to successful applicant. Knowledge of home trade an asset. Write, full details, experience and qualifications, in confidence, to Box 2/572.

EXPERIENCED specialty salesmen required to carry additional high-class pharmaceutical line on very generous commission terms, calling on chemists and wholesalers in the following territories: (1) South Eastern Counties, (2) Eastern Counties, (3) Wales, (4) Scotland, (5) Midlands, (6) Lancashire/Cheshire. Box 2/465.

FIRST-CLASS SALESMEN required by the House of Maw. For full details see page xxviii.

FIRST-CLASS REPRESENTATIVES required by manufacturer of pharmaceutical specialties, to call on chemists in South-Eastern Counties (excepting London). Car owner preferred. Good salary, commission and expenses paid. Existing business transferred. Reply in confidence to Sales Director, Box 2/609.

FIRST-CLASS REPRESENTATIVES required for United Kingdom by well-known firm manufacturing toilet preparations branded name. Only men with existing connections among chemists, stores and hairdressers, need apply. Salary and commission. Box 2/567.

GENERAL MANAGER required with all-round knowledge in sales, publicity, production, etc. Possession of a pharmaceutical degree an advantage. Good salary and excellent prospects for the right applicant. Advertisers are well-known manufacturing chemists in London to whom full details of age, experience and qualifications should be sent in confidence. Box 2/569.

HEATH BROS. & SONS, LTD., require a representative for Lancashire area, previous experience of the chemists' sundry business preferred, resident in Manchester district an advantage. Salary, commission and expenses. Apply 98/100 Chapel St., Salford, 3.

JOHN KNOX (Stoke-on-Trent) Ltd., Manufacturing and Wholesale Chemists, have vacancy for a representative in the Yorkshire area. Applicants, who should be resident in that county, please apply giving full particulars of experience, to Jaynox Works, King St., Fenton, Stoke-on-Trent.

JUNIOR ASSISTANT in cosmetic laboratory, matriculation standard, for routine analysis. Apply by letter. Prichard & Constance, North Circular Rd., London, N.W.10.

LADY PHARMACIST for training as works chemist. Robert Blackie, Ltd., 83 Bellenden Rd., S.E.15. **LEADING** perfume manufacturers require a representative for West and South London territory. Applicants should state age, full particulars of experience, past employment, etc., to Box 2/613. **MAN OF INITIATIVE** required to build up existing chemical department of well-established export company. Previous experience of trade necessary. Reply Box 2/535.

MANUFACTURERS of pharmaceutical specialities near Liverpool have a vacancy for a pharmacist (Ph.C. or B.Pharm. preferred) to take charge of department manufacturing tablets, injections, etc. Reply in first instance to Ward, Blenkinsop & Co., Ltd., 6 Henrietta Pl., London, W.1.

MANUFACTURERS of C.F. preparations require representatives or agents for all areas to carry their products on a 20 per cent. commission basis. Applicants must have good connection and be prepared to give adequate representation. Applications with full particulars of present territory, companies represented and lines carried to Box 2/598.

MANUFACTURING COMPANY, London area, making well-known quality proprietary, have opening for general/sales manager. Applications invited from experienced workers of personality and with vision. Brief details, in first instance, to Chairman, Box 2/607.

MANUFACTURING CHEMISTS adding to the representative staff of their medical department have vacancies in the following areas: (1) London. (2) Birmingham and Midlands. (3) Lancashire and North Wales. (4) Glasgow and West Scotland. Applicants should give particulars, including age, experience, if any, and salary required, exclusive of expenses. Box 2/594.

OLD-ESTABLISHED distributors require energetic representative to cover Northern Ireland and Scotland domicile in Belfast. Box 2/554.

Ph.C. or B.Pharm. with pharmaceutical manufacturing experience required for Long Melford (Suffolk) factory. Single man preferred. Write, stating age, experience and salary required, to Stafford Allen & Sons, Ltd., Department D/RPM, 20 Wharf Rd., London, N.1.

PHARMACIST required for general wholesale warehouse and laboratory duties. Excellent prospects for single young man desirous of entering the wholesale. Salary £450-£500 according to experience. Apply, giving full particulars to Bradley & Bliss, Ltd., Manufacturing chemists, London St., Reading.

PHILADELPHUS JEYES & CO., LTD., Northampton, have vacancies for a chemist for laboratory, qualified relief manager, and unqualified assistants. Permanent and progressive positions. Apply giving full particulars in first letter to P. Jeyes & Co., Ltd., The Drapery, Northampton.

QUALIFIED CHEMIST required for manufacturing laboratory in North London. Salary according to age and experience. Box 2/617.

REPRESENTATIVE required by well-established and progressive firm of manufacturing chemists to call on factories, councils, medical officers, etc., in N.E. London and Eastern Counties. Remuneration will be by salary, commission and expenses. Applicants, preferably car owners possessing the necessary qualifications, should send full particulars to Box 2/528.

REPRESENTATIVE, part-time, required, calling on chemists and stores in London and district, to handle medicinal tablets and pills on generous commission terms. Write Box 2/614.

REPRESENTATIVES required for London and Home Counties, Lancashire and Eastern Counties, to call on chemists with well-established C.F. lines. Permanent and progressive position. Give age, experience, etc., to Box 2/571.

REPRESENTATIVE required with good connections amongst the grocery trade in the counties of Gloucester, Wiltshire and Somerset. To carry a smart range of packed pharmaceuticals. Remuneration by salary, expenses and commission. Apply with fullest details to Kempac, Ltd., Batley.

REPRESENTATIVE
agents in
areas in
London
Cardiff
Nimble
etc. Box
REPRESENTATIVE
induced
particu
to REPRE
represent
chem
agents and
and con
REPRESENT
well-established
chemists' an
areas, London
and con
REPRESENT
in countries
in areas
and open
24, Reid W
Salford, Fleet
REPRESENT
ad for
etic man
residenc
24, Reid W
Salford, Fleet
REPRESENT
in London
REPRESENT
London, man
2/539.
REPRESENT
basic wi
areas, etc.
certain provi
certain produ
full details a
present ca
120 Larchall
REPRESENT
London, man
RESEARCH
also Librarian
South of Eng
and sal
and sal
and sal
RESEARCH
in London
C.W.2
SECRETARY/SH
director of m
ceasing offic
will be ab
the new offi
Box 2/611
STOREKEEPER
pharmaceutical
with sal
cost. Give ful
salary expect
SUN SPECS
Yorkshire, Lan
SURGICAL BEL
acquired in Lon
and canter
TRAVELLERS
users require
made pharm
selected men. A
selected Prod
Box 2/593. P

REPRESENTATIVES required with established connections in stores and high-class chemists for fine perfumes and cosmetics. Western and Southern Counties, East Coast, East Midlands, Yorkshire, Northumberland and Scotland. Commission basis only. Box 2/603.

REPRESENTATIVES required by manufacturers of high-class pharmaceutical products. Must be well-introduced to chemists. Generous commission. Send full particulars (incl. lines carried and territory covered) to Box 2/446.

REPRESENTATIVES calling on retail and manufacturing chemists, drug stores, perfumers, hairdressers, doctors and hospitals, required in London and all counties for sale of medical, perfumery and toilet bottles and jars. Box 2/511.

REPRESENTATIVE, experienced essential, wanted by old-established London house to carry high-class chemists' and hairdressers' sundries and proprietary lines, London and Greater London area. Retaining fee and commission. Write age, experience, etc. Box 2/512.

REPRESENTATIVES required for Northern and Eastern counties. Applicants must have good connections with chemist trade. Advertiser is a well-known and old-established company. Apply, Box 704, Reid Walker & Co., Ltd., Salisbury Square House, Fleet St., E.C.4.

REPRESENTATIVES required by importers of bottles and jars for the cosmetic trade. Calling on: cosmetic manufacturers, pharmacists, chemists, and hairdressers. Car essential. Commission and car allowance. Territories: (1) Lancashire-Cheshire; (2) Yorkshire-Northumberland-Durham; (3) Norfolk-Suffolk-Hunts-Cams-Lincs-Rutland; (4) Wales; (5) London. Box 2/565.

REPRESENTATIVES required for widely advertised line London and provinces. 10 per cent. commission. Box 2/559.

REPRESENTATIVES required on generous commission basis with good connection chemists, Co-ops. stores, etc., in London and Home Counties and certain provincial areas, for new line of pharmaceutical products making rapid headway. Write full details age, experience, territory covered, lines at present carried, to Alpha Pharmaceuticals, Ltd., 130 Larkhall Ln., S.W.4.

REQUIRED immediately for wholesale chemists, London, manager, drug dept. Apply, stating qualifications, experience, salary required, etc., Box 2/597.

RESEARCH, analytical and development chemists, also librarian, required by pharmaceutical firm, South of England. Apply, giving details of experience and salary required. Box No. 2809, T. G. Scott & Son, Ltd., Talbot House, 9 Arundel St., W.C.2.

SECRETARY/SHORTHAND TYPIST required by director of medical proprietary company shortly opening offices and warehouse in London, W.1. Must be able to work on own initiative and organise the new office. Reply in confidence to Sales Director, Box 2/610.

STOREKEEPER required by a well-known London pharmaceutical house. Applicant must also be conversant with packing, despatch, etc. Progressive post. Give full particulars of age, experience and salary expected, to Box 2/570.

SUN SPECS, Representatives required for S. Wales, Yorkshire, Lancashire and Northumberland. Good commission. Box 2/606.

SURGICAL BELT and truss fitter. Experienced lady required in London. Permanency. Reasonable hours, and canteen. Write giving full particulars and salary required. Box 2/585.

TRAVELLERS, calling on chemists' stores and grocers required by manufacturing chemists to handle pharmaceutical packs; good terms to experienced men. Apply, Mr. Tucker, Universal Pharmaceutical Products, Greenway House, 328 Brixton Rd., S.W.9. Phone Brixton 8561.

CLERICAL

EXPERIENCED shorthand typist required for the Publishing and Advertisement Department of THE CHEMIST AND DRUGGIST. No Saturdays. Please write stating full particulars to the Staff Director, Morgan Brothers (Publishers), Ltd., 28 Essex St., Strand, London, W.C.2.

COMPANY SECRETARY. Applications are invited from qualified accountants for appointment as secretary to a group of three associate companies manufacturing and marketing ethical pharmaceuticals. The position includes assumption of responsibility for preparation of companies' accounts, general financial and personnel control, supervision of process costing, efficiency of statistical records and all clerical procedures. Previous experience in a commercial organisation would be desirable although not essential. Applications will be treated in confidence and should contain particulars of age, qualifications and experience. They should be marked "Confidential" and addressed to Managing Director, British Schering, Ltd., 167 Great Portland Street, London, W.1.

GIRL wanted by the Proprietors of this Newspaper. No experience necessary. Age about 16. To train in mechanised accountancy. No Saturdays. Apply in writing to the Staff Director, Morgan Brothers (Publishers), Ltd., 28 Essex St., Strand, London, W.C.2.

OFFICE BOY required by the proprietors of this paper: Age not more than 16. No Saturdays at present. Salary according to qualifications. Write giving full particulars to the Staff Director, Morgan Brothers (Publishers), Ltd., 28 Essex St., Strand, London, W.C.2.

WORKS ACCOUNTANT required for new chemical and pharmaceutical factory at Hazel Grove, Cheshire. Applicants should possess a sound knowledge of process costing and of general accountancy. Experience in a commercial organisation would be desirable although not essential. Applications will be treated in confidence and should contain full particulars of age, qualifications and experience. They should be addressed to: The Secretary, British Schering Manufacturing Laboratories, Ltd., 38 Fitzwarren St., Salford, Manchester, and marked "Confidential."

WHOLESALE (OVERSEAS)

PLANT CHEMISTS urgently required for process plant operation by large company operating in the Middle East. Applicants need not be graduates but should have had a chemical training up to Inter B.Sc. or National Certificate standard with experience of shift work in either a gas, coke oven or chemical works. Age not over 30. Salary in sterling between £540 and £600 per annum plus generous allowances in local currency, with free furnished bachelor accommodation, passages out and home, medical attention, also kit allowance and provident fund benefits. Apply stating age, qualifications and experience, etc., to Dept. F.22, Box 1020, at 191 Gresham House, E.C.2.

SOUTH AFRICAN FIRM, thoroughly established, exclusive distributors of well-known British manufacturers, carrying stocks of chemist sundries, patent medicines, proprietary brands, toilet preparations, fine rubberware, surgical plasters, surgical instruments, veterinary medicines, insecticides, fancy stationery, pencils, etc., wish to engage capable sales manager with initiative to be in charge of our new Cape offices after preliminary training. Must be live wire salesman and organiser. Starting salary £600 per annum, liberal commission, car allowance, general expenses, with unlimited prospects. Preference will be given to person in position to invest £5,000, on which 6% interest will be paid. Exchange of trade and bank references invited. Priority passage will be arranged. Write confidentially to Dominion and Continental Agencies, P.O. Box 77, Durban.

EVANS MEDICAL SUPPLIES, LTD., have vacancies in their South African Company for foreign representatives; single men preferred. Applicants should state age, qualifications, experience, etc., to Overseas Trade Director, Speke, Liverpool, 19.

SITUATIONS WANTED

3/- for 18 words or less, 1d. for every additional word

RETAIL (HOME)

PHARMACIST (45) seeks permanency. Over twenty years' experience, including West End. London area preferred. Accommodation not required. Box 2/599.

PHARMACIST AND WIFE (also qualified) require retail post South or South-western areas. Available September. Unfurnished accommodation essential. Box 2/508.

QUALIFIED lady, M.P.S., semi-retired, age 56, would like light employment, preferably part-time, or easy hours. Box 2/561.

WHOLESALE

COSMETIC CHEMIST manufacturing high-class products and exclusive preparations for men to own up-to-date formulation, wants situation. Box 2/600.

CONSULTANT, fine chemicals and pharmaceuticals. Graduate in chemistry; high degrees and wide technical and managerial experience in modern chemical industry; open for engagement as consultant. Development and manufacture of high grade chemicals for food and medicine a speciality. Box 2/586.

CONSULTANT CHEMIST/ CHEMICAL ENGINEER is now in a position to advise few establishments on any problem. Box 2/587.

ENERGETIC MANAGER with proved ability to get full co-operation of workers, desires post where this capacity can be applied to advantage. Wide experience in warehouse side of drug and chemical industry. First-class references. Anywhere outside London considered. Box 2/495.

EXPERIENCED all branches, ex-officer requires berth with prospects. Pre-war director, general manager of manufacturing company. Can build up from nothing. Reorganise, give or take orders. Able to fit in and pull weight in any position. London area preferred. Box 2/591.

GENTLEMAN with first-class connection among chemists and hairdressers in London and Home Counties seeks well-known additional lines on commission basis. Car owner. Box 2/564.

FIRST-CLASS, qualified representative or sales manager, 20 years' experience. Midlands preferred. Remuneration £800/£1,000 per year. Box 2/414.

FOREMAN, 33, wide experience warehouse side of drug and chemical industry, desires similar progressive position or would undertake training as buyer or representative. Thorough knowledge of stock control. London area preferred. Box 2/581.

MANUFACTURING CHEMISTS. General works manager, aged 35, with expert knowledge of the manufacture of various type polishes, soaps, cleaners, and all household requisites, desires to contact principals of concerns where this knowledge, coupled with proved ability to organise and control all aspects of modern manufacturing company, would be appreciated. Remuneration in the region of £800/£1,000 per annum. All replies answered, and treated in strict confidence. Box 2/533.

OVERSEAS. Pharmacist (34) single, experienced representative, desires to contact manufacturing chemists with view to overseas representation. Box 2/583.

PHARMACEUTICAL CHEMIST (25) competent, reliable, desires progressive position with manufacturing chemists, food manufacturers or allied industry. Birmingham area. Box 2/615.

PHARMACEUTICAL CHEMIST (B.Sc. Hons.) with wide experience in pharmacy, seeks position as technical director with manufacturing and wholesale chemists. View to development in ethical pharmaceutical field. Prepared to invest £2,000-£3,000 if necessary. Propositions invited. Box 2/566.

POST REQUIRED in good laboratory by a lady as research chemist. (British subject by marriage) Write Box 276, Aldridges, 1, Whitefriars, St. E.C.4. **REPRESENTATIVE**, 35, over 10 years' experience. First-class connection with chemists in Yorkshire, desires change with firm of repute. Salary, commission and expenses. Box 2/580.

REPRESENTATIVE with good connection in Southern England desires position with established firm. Box 2/575.

REPRESENTATIVE, 33, experienced commercial and medical presently engaged in Midlands, seeks change—London or Home Counties. Own car, etc. Salary, commission and expenses. Box 2/531.

SALES IMPROVEMENTS by high quality of products, modern packing, new lines and export. Consult experienced cosmetic chemist. Box 2/601.

SALES MANAGER (M.S.M.A.) with successful sales record in marketing, selling and distribution of proprietary products (C.F., P.A.T.A.) to chemists, Co-ops and stores, desires change. Inquiries invited. Box 2/505.

TRAVELLER, with first-class connection with chemists, Co-op. Society chemists, over Midlands, Yorkshire, North-east Coast and Cheshire, desires post, salary, expenses and commission. Experienced selling proprietary lines, sundries, etc. Box 2/560.

APPOINTMENTS

MIDDLESEX COUNTY COUNCIL

ASSISTANT PHARMACIST for HAREFIELD COUNTY HOSPITAL, Harefield, Middlesex. (Registered essential). J.N.C. (Hosp. Staffs) salary £370 inclusive; annual increments up to £450 p.a. considered. Similar experience may determine commencing salary. Recently qualified pharmacists eligible. Whole-time, unestablished, possible establishment; subject to medical examination. Application stating age, qual., exper. with copies of up to 3 recent testimonials to MEDICAL DIRECTOR at Hospital, IMMEDIATELY. No forms (quote C 292 C D).

C. W. RADCLIFFE,
Clerk of the County Council.

Middlesex Guildhall S.W.1.

QUEEN MARY'S HOSPITAL FOR THE EAST END, STRATFORD, E.15

ASSISTANT PHARMACIST

Applications are invited from registered Pharmacists for this appointment. Salary scale, £370 per annum with annual increases of £15 up to £450 per annum. Commencing salary within Scale according to qualifications and experience. Federated Superannuation Scheme in force.

Applications, giving full particulars of age, qualifications and experience and copies of recent testimonials should be sent as soon as possible to the undersigned.

M. J. HUNTLEY,
House Governor and Secretary.

KENT COUNTY COUNCIL

ASSISTANT PHARMACIST

Applications are invited for the following appointment at the County Hospital, Sevenoaks Road, Orpington.

ASSISTANT PHARMACIST (M.P.S. or Ph.C.) either sex. Hospital experience preferred. Salary £370 a year by four increments of £15 and one of £20 to £450 a year. Superannuation. Medical examination necessary.

Applications, stating age, qualifications, experience and the names and addresses of two responsible persons to whom reference may be made as to professional ability, to be sent to the County Medical Officer, County Hall, Maidstone, as soon as possible.

W. L. PLATTS,
County Hall, Clerk of the County Council.
Maidstone.

12th December, 1947.

ITY OF NOTTINGHAM HEALTH COMMITTEE

ASSISTANT PHARMACIST

Applications are invited for the above appointment from duly qualified Members of the Pharmaceutical Society. Salary at the rate of £100 per annum, rising by annual increments £15 to £430 per annum, and thence by a further increment of £20 to £450 per annum, according with the Joint Negotiating Committee (Hospital Staffs) recommendations.

The successful candidate will work under the direction of the Chief Pharmacist and will be required to undertake duties in other of the Dispensaries as occasion demands.

Applications, stating age, qualifications, details of experience and previous appointments, if together with copies of two recent testimonials to be sent as soon as possible to the Medical Superintendent, The City Hospital, Nottingham.

J. E. RICHARDS,
Town Clerk.

Guildhall,
January, 1948.
Nottingham.

AGENCIES

or 36 words or less, 4d. for every additional word

TS with established connections with good chemists wanted in all parts of the country, including Scotland, to sell two branded C.F. products. State area covered and lines carried. Box

ACTIVE proprietary line and exclusive range of sundries. Agents required all over the Isles, by first-class, well-established house commission. Box 2/611.

ATIVE BELFAST AGENTS invite agencies for Ireland and Eire. Box 2/608.

UFACTURERS have vacancies for agents in districts to call on chemists only with glycerine, lemon and honey and other packed lines.ous commission. Must be well introduced. particulars, territory, etc., to Box 2/595.

UFACTURING CHEMISTS require agent on commission terms for their lines on the Yorkshire id. Apply Box 2/486.

AGENCIES WANTED

or 36 words or less, 3d. for every additional word

ESENTATIVE, with wide experience, doing business with every Co-op. Society in Durham, Northumberland and N. Yorks, bo h grocery and drug rts, requires full time agency, proprietary Commission on and expenses. Reply Box 2/579.

LAND. Wholesale chemist has facilities for large selection of chemists' supplies on behalf of manufacturers. Write in confidence. 2/451.

BUSINESS OPPORTUNITIES

for 36 words or less, 4d. for every additional word

PANY MARKETING patent toilet article of wide appeal, now selling through chain store nists and leading independent chemists in various s of the country, invite further substantial al to expand or would consider sale to company al established in this field. Box 2/573.

MPANY with patented hypochlorite solution, al, surgical, medical, also pastes, cosmetics, sohild and other uses, require additional al. Advertising and plant needed. Directors available, full control, cash assured; tremen future every angle. Also firm with distributive ties needed or suggestive facilities marketing. ttest confidence assured. Really first-class propo- n. Box 2/604.

DISTRIBUTING AGENTS, desirous of marketing lines under their own name, wish to contact firms who are in position to manufacture and pack. State specialities. Box 2/612.

LADIES' SANITARY TOWEL. A new practical napkin, cheap and easy to manufacture, a revolution in modern feminine hygiene. Patent and manufacturing rights for England for sale. Apply to Box 5533, Harleng & Toksvig A/S, Bredgade 36, Copenhagen, Denmark.

MANUFACTURING CONCERN with a well-equipped factory in South-east London has skilled packaging staff available and is prepared to undertake additional work. Especially well-equipped for filling liquids and powders. Box 2/476.

MANUFACTURING CHEMISTS have facilities and space available for the manufacture and bottling of domestic, industrial or toilet products. Frank Macowal, Ltd., 30 Loughborough St., S.E.11.

VERY WELL-KNOWN manufacturing firm of toilet preparations, several thousand pounds quota, are desirous of introducing new capital. Write, in strictest confidence, Box 2/568.

WE HAVE an accumulation of chemicals which are no longer required for manufacturing and are available for immediate disposal. We shall be pleased to send you a complete list on request. Watford Chemical Co., Ltd., 30 Baker St., W.1. Tel.: Welbeck 0264-8, Ext. 22.

BUSINESSES FOR DISPOSAL

8/6 for 36 words or less, 3d. for every additional word

IMPORTANT SALE OF

VALUABLE CHEMISTS' BUSINESS, DWELLING-HOUSE & OUT-OFFICES

AT ABBEYFEALE, COUNTY LIMERICK
The undersigned has been instructed by Mrs. Catherine Colbert-Woulfe to sell as a going concern all her interest in "Woulfe's Pharmacy" situated at the corner of New Street and Colbert Terrace, Abbeyfeale, comprising shop premises with all stock, fittings and effects and superior stone-built residence and out- offices and garden at the rear thereof.

The property stands on a plot measuring 22 perches 2 sq. yards and 6 sq. feet (S.M.) or thereabouts being the lands comprised in Folio 11077 of the Register County of Limerick and is held free of rent.

Offers will be accepted by the undersigned up to the 29th day of January 1948.

For further particulars and conditions, apply to:—

PATRICK WOULFE, LL.B.,
Solicitor,
Ashe Street, Tralee.

DRUG STORE for immediate disposal due to ill-health of owner. Situated in busy main road with bus routes and Underground in South-West London, and taking over £4,400 per annum (audited figures). Business established 15 years and has first-class quotas and monthly accounts with leading manufacturers and wholesalers. Low overheads and an excellent living. Could be converted to chemists. Goodwill, fixtures and fittings, £2,250, with good, clean stock at valuation (approx. £800). Present takings slightly over £100 per week. Write Box 2/582.

EASTERN COUNTIES. Well-established wholesale distributing business for disposal. Takings £50,000 per annum. Considerable scope with additional capital. Herby stock, spacious premises. Fixtures. Total inclusive purchase price required, £30,000. Apply Box 2/557.

JENNERS FOODS, LTD. We have been instructed by the liquidator regarding the disposal of a very old-established proprietary business known as Jenners Foods, Ltd. Particulars upon application. Valuable formulae, licences, stock and equipment. Freshold factory available, ample floor space, valuable lettings. Price £10,000. Apply Box 2/558.

BUSINESSES WANTED

8/6 for 36 words or less, 3d. for every additional word

DRUG STORE wanted by ex-Serviceman. Capital available for purchase of freehold if necessary. Would consider chemist or surgical store. J. P. W., 38 Troy Court, W.8. Tem. 2838 (Wes. 2462 after 6 o'clock.).

MISCELLANEOUS SALES

17/6 for 36 words or less, 4d. for every additional word

ALMOND—HAZELNUT—TEASEED OIL, refined edible. Box 2/440.

ALUMINIUM cold wave curlers in quantity for sale. Also quantity rubber bands and spacers. Box 2/624.

BOTTLES, 20 gross 1-oz. cylinder bottles, beautiful quality, 24s. gross. 30 gross super 2-dram perfume bottles, 26s. gross, complete with plastic caps, and carry paid, sample free. 5 gross Simplex American safety razor, 12s. doz., neatly cartoned. American super Marlin blades, 12s. box of 100 blades, inc. tax. Lever, 44 St. Albans St., Leeds, 2.

DICTAPHONE, complete with Transcriber, electric shaver and records, would exchange for labelling machine. Cash adjustment if necessary. Anglo-Dutch Pharmaceutical Co., Ltd., 110 Dale End, Birmingham, 4.

FOR SALE. Autoclave, incubator, chemical apparatus, tablet machine, developing tanks, all in perfect condition. What offers? Box 2/584.

FOR SALE. Triethanolamine and Oil. Amygdalin in quantities from 1-5 lb. Offers to Box 2/602.

GLASS JARS, $\frac{1}{2}$ -oz. squat clear with black metal caps. 300 gross available at 20s. gross or near offer. Box 2/562.

LIMITED QUANTITY of paper handkerchiefs available to retailers. Attractively packed for retail sale. Samples and prices on application to Marvel Paper Products, 344 Streatham High Rd., London, S.W.16.

MANUFACTURERS have from time to time surplus stocks for disposal of 1 oz., 2 oz. and 4 oz. medicals. Write Box 2/487 for full details.

ONE new unused 1947 model No. 1 Pascall motorised turbine sifter mounted on stand, with motor for 400 volts, 3 phase, 50 cycles A.C., complete with all accessories and Star Delta starter. Offers wanted. Can be seen in Manchester. Box 2/593.

SURPLUS ALMOND OIL B.P., 12s. 6d. lb., for sale, also apricot kernel oil, 11s. lb. Box 83, c/o George Murray (Advertising), Ltd., 184 Strand, London, W.C.2.

TINS, 10 and 12-oz. bottle shape with or w/out crown cap; once used, clean; and a quantity of 6 and 8-oz. medical flats, 6 and 12-oz. oval ribbed bottles, reclaimed, but thoroughly washed clean. Lennard, Lee-Narvill & Co., Ltd., Anlaby Rd., Hull.

WANTED

8/6 for 36 words or less, 3d. for every additional word

A BIG PRICE offered for home cine cameras, or projectors. Bell-Howell, Kodak, G.B., etc. Also Leica, Contax and other precision cameras, enlargers, exposure meters, etc. Prompt cash. Wallace Heaton, Ltd., 126-7 New Bond St., London, W.I.

AUTOMATIC cream filler wanted at once; big price paid. Shavex Co., Bavaria Rd., Holloway, N.15.

BOTTLES, 26-oz. and 13-oz. wine or champagne bottles required. Box 1/853.

GLYCERINE urgently required. Any quantities taken of B.P. or commercial. State quantity available and price required under Box 2/514.

GLYCERINE. All kinds urgently required for manufacturing purposes. Replies to Box 2/578.

GLYCERINE wanted, any quantities taken of I quality. Cash by return. State quantity available and price required to Box 157/296.

MANUFACTURERS require large or small quantities of glycerine, B.P., phenacetin, saccharin, stevia, acid, t. pressed, papaverine hydrochloride. State quantities available and price. Technical white oil available. 5 gallons to 3 tons. Offer Box 2/623.

PACKER requires regular monthly supplies of peppermint tablets. Particulars to Box 2/299.

PACKER requires regular monthly supplies of liquorice and menthol pellets. Particulars to 2/298.

PEPPERMINT OIL. Any quantities. Full particulars to Box 2/577.

SACCHARIN TABLETS wanted (standard grade). Large or small quantities, bulk or packed. State amounts can be purchased regularly for cash. W. Box 515, c/o J. G. King & Son, 150 Fleet London, E.C.4.

SESQUI CARBONATE, crex and stearic acid tr and double pressed. Write Box 2/552.

STEARIC ACID, triple pressed required in large quantities. Box 147/850.

WANTED. Phenacetin, glycerine, required manufacturing chemists. Offers to Box 2/307.

WANTED. Rotary tablet making machine. Details to Box 2/555.

WANTED. Protheonal. Will any chemist hold surplus stocks kindly return to Bayer Products, L Africa House, Kingsway, W.C.2, when credit, reconditioning charge, will be given for pack in saleable condition.

2-10 TONS caustic soda flakes and solid and sodium sulphide. Write Box 2/553.

FOR SALE

8/6 for 36 words or less, 3d. for every additional word

BOTTLES FOR SALE, 100 gross $\frac{1}{2}$ -oz., 40 gross $\frac{1}{2}$ -oz., 100 gross 1-oz.; also 50 lb. Sicilian lemon 20 lb. W.I. lime oil. Samples and prices on request. Apply Box 2/605.

FEW hand-made clinical thermometers, Fahrenheit, Centigrade or Réaumur scales. Normal, subnormal or super-normal registrations. Long or stub bulbs, engraved red above normal, or as desired. Clean indices. Poldens, 10 Burney Av., Surbiton, Surrey.

ONE MILLION aspirin tabs. Gr. 5. 50 gross. 1 Camph. B.P. Westmacott, 77 Cannel St., M. chester, 4.

UNUSED double action 4-gall. tincture press (der & Co.). Cost £26 15s.; sell same price, c. paid. Western Counties Products, Ltd., Bath 1 Bristol, 4.

SALES BY AUCTION

By Order of Messrs. Edwards' and from other sources.

2/5 **LITTLE BRITAIN** (close to G.P.O. LONDON, E.C.1).

CHEMISTS' SHOPFITTINGS including Drug Runs, Wall Showcases, Plate-glass Counters, Dispensary Screen, Centre Showcases, Mirrors, Partitioning, Cash Register, Tables and Chairs. Electric Fittings and Electrical Clocks.

PHOTOGRAPHERS' EQUIPMENT, Studio and other Cameras. Linoleum, etc.

B. NORMAN & SON will sell by Auction at their Sale Rooms above, Wednesday, January 28, at 1.30 p.m. View Day prior. Catalogues (3d. post free) on application. Tel.: Monarch 8501.

1897

* one of the most significant
dates in Whiffen's long
service to Medicine



* THE FIRST BATCH OF EMETINE
IS MANUFACTURED IN
THOMAS WHIFFEN'S FACTORY



THREE is a glowing record of adventure, individual effort and research in the story of EMETINE. Beginning in the primeval forests of Brazil where the Ipecacuanha root is found, the story distinguishes the names, first of Pelletier and Mafendie who, in 1817, discovered the presence of EMETINE in this root, and then of Paul and Cownley, who were the first workers to isolate EMETINE in a pure form.

As a result of their close association with these noted analysts, Whiffens commenced the manufacture of this important alkaloid in 1897.

A further far-reaching discovery was made in 1912 by Dr. (Sir) Leonard Rogers who proved EMETINE's great specific value in the treatment of Amoebic Dysentery.

From this date onward EMETINE gained greatly in importance and as a result, output, which had only been a few ounces in 1898 and a few hundred ounces in 1913, increased ten fold. It proved of immense service to our armed forces serving in tropical and sub-tropical areas during the two world wars.

WHIFFEN & SONS LTD.

CARNWATH RD., FULHAM, LONDON, S.W.6.
Tel.: RENown 3416. Grams.: Whiffen, London

ALOIN

Manufactured at our
Garden City Factory
from the selected dried
juices of the finest
ALOE LEAVES



CARNEGIE CHEMICALS (WELWYN) LTD
Manufacturers of Fine Chemicals
WELWYN GARDEN CITY
HERTFORDSHIRE

L^{TD}

BALAND

